STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

AMENDED REPORT	
(highlight changes)	

				5. MINERAL LEASE NO.:	6. SURFACE:
APPLICATION FOR PERMIT TO DRILL				UTU-75083	BLM
1A. TYPE OF WO	RK: DRILL 🛣 REENTER 🗆	DEEPEN	N□	7. IF INDIAN, ALLOTTEE OF	R TRIBE NAME:
	,			N/A	
B. TYPE OF WEI	LL: OIL GAS 🛣 OTHER	SIN	GLE ZONE 🛣 MULTIPLE ZON	E 8. UNIT or CA AGREEMENT	NAME:
				Wilkin Ridge	
2. NAME OF OPE	RATOR:			WELL NAME and NUMBE	
	oduction Company			Wilkin Ridge Fed	eral #32-20-10-17
3. ADDRESS OF 0			PHONE NUMBER:	10. FIELD AND POOL, OR V	
	ss Drive East, Suite #100, Englewoo	od, CO 80112		- Wilking Hidge	Shtme 6.17 DWHSHIP, RANGE
4. LOCATION OF	WELL (FOOTAGES) 583090	X	39.931371	MERIDIAN:	
AT SURFACE:	1923' FNL	and 2076' FE	L 5	Sec. 20, T10S-R1	7E
AT PROPOSED	PRODUCING ZONE: SW NE		-110.027596		
	44 20 3	834			
14. DISTANCE IN	MILES AND DIRECTION FROM NEAREST TOWN OR	POST OFFICE:		12. COUNTY:	13. STATE:
Approxi	imately 23.6 miles south of Myton,	JT		Duchesne	UTAH
15. DISTANCE TO	NEAREST PROPERTY OR LEASE LINE (FEET)		ER OF ACRES IN LEASE:	17. NUMBER OF ACRES ASSIGNED	TO THIS WELL:
	1923'		1917.68	40 Acre	es
	NEAREST WELL (DRILLING, COMPLETED, OR	19. PROPO	OSED DEPTH:	20. BOND DESCRIPTION:	
APPLIED FOR	R) ON THIS LEASE (FEET): None		13,250'	UT - 12	33
21. ELEVATIONS	(SHOW WHETHER DF, RT, GR, ETC.):	22. APPRO	XIMATE DATE WORK WILL START:		
	6040' GL		ASAP	35 Day	'S
				25414	
24.	PROP	OSED CASIN	IG AND CEMENTING PRO	KAM	
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH		, QUANTITY, YIELD, AND SLURRY WE	
17-1/2"	13-3/8", H-40, 48#	200'		ium Type 5, 15.6 ppg, 1.18	
12-1/4"	8-5/8", J-55, 32#	3,865'	662 sx Hi-lift, 11 ppg, 3.91		
7-7/8"	4-1/2", P-110, 13.5#	13,250'	523 sx Hi-Lift @11.5 ppg, 3.0	15 yield & 1393 sx 50/50 Poz	@ 14.1 ppg, 1.28 yield
			CONCID	CHITIAL TIPLIT III	OL F
			CUMPID	ENTIAL-TIGHT H	
25.		Δ	TTACHMENTS		
VERIFY THE FOI	LLOWING ARE ATTACHED IN ACCORDANCE WITH T	HE UTAH OIL AND	GAS CONSERVATION GENERAL RULES	:	
✓ WELL PL	AT OR MAP PREPARED BY LICENSED SURVEYOR C	R ENGINEER	COMPLETE DRILLING P		
✓ EVIDENO	CE OF DIVISION OF WATER RIGHTS APPROVAL FOR	USE OF WATER	FORM 5, IF OPERATOR	IS PERSON OR COMPANY OTHER TH	AN THE LEASE OWNER
ACENT. D	ermitCo Inc.			AGENT'S PHONE NO	.: 303-857-9999
AGENT: P			A ma	ent for Gasco Production	
NAME (PLEASE	Lisa Smith		TITLE AGE	ent for Gasco Production	Company
SIGNATURE	Lua Smith		DATE Mar	ch 10, 2006	
(This space for Sta	ate use only)				
	116	gannes :	languard by the		
API NUMBER ASS	SIGNED: 13013-33087		Approved by the Utah Division	RE	CEIVED

(11/2001)

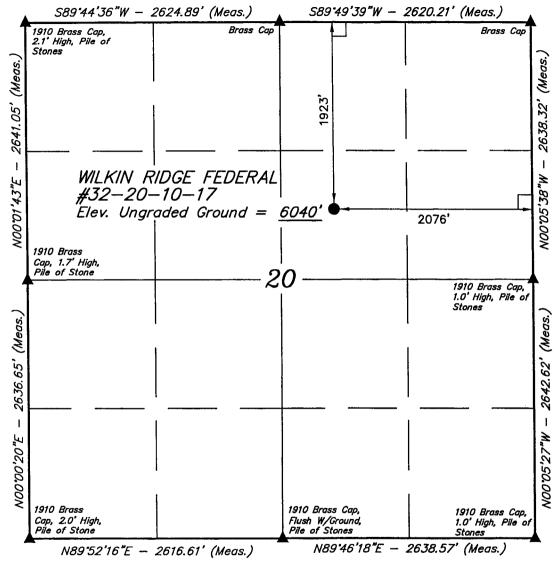
Federal Approval of this Action is Necessary

Oil, Gas and Mining

MAR 1 3 2006

DIV. OF OIL, GAS & MINING

T10S, R17E, S.L.B.&M.



BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

LATITUDE = 39.55553.06" (39.931406)

(AUTONOMOUS NAD 83)

LEGEND:

__ = 90° SYMBOL

= PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

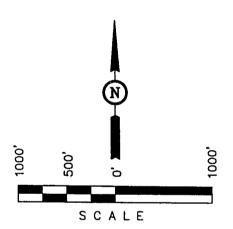
LONGITUDE = 110°01'41.74" (110.028261) (AUTONOMOUS NAD 27) LATITUDE = 39°55'53.19" (39.931442) LONGITUDE = 110°01'39.20" (110.027556)

GASCO PRODUCTION COMPANY

Well location, WILKIN RIDGE FEDERAL #32-20-10-17, located as shown in the SW 1/4 NE 1/4 of Section 20, T10S, R17E, S.L.B.&M. Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION LOCATED IN THE SW 1/4 OF SECTION 20, T10S, R17E, S.L.B.&M. TAKEN FROM THE WILKIN RIDGE, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6275 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELLEF THE AND CORRECT TO THE

REGISTERED LAND SURVEYOR

UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017

	` ,				
SCALE 1" = 1000'		DATE SURVEYED: 9-20-05	DATE DRAWN: 10-19-05		
PARTY J.W. B.S.	K.G.	REFERENCES G.L.O. PLAT			
WEATHER		FILE			
COOL		GASCO PRODUCTION COMPANY			

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

April 19, 2006

Memorandum

To:

Assistant District Manager Minerals, Vernal District

From:

Michael Coulthard, Petroleum Engineer

Subject:

2006 Plan of Development Wilkin Ridge Unit, Duchesne and

Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2006 within the Wilkin Ridge Unit, Duchesne County, Utah.

API#

WELL NAME

LOCATION

(Proposed PZ Blackhawk)

 43-013-33088
 WR Fed 14-17-10-17
 Sec 17 T10S R17E 0659 FSL 0656 FWL

 43-013-33087
 WR Fed 32-20-10-17
 Sec 20 T10S R17E 1923 FNL 2076 FEL

 43-013-33096
 WR Fed 12-20-10-17
 Sec 20 T10S R17E 2151 FNL 0464 FWL

 43-013-33095
 WR Fed 21-28-10-17
 Sec 21 T10S R17E 1796 FSL 2178 FWL

 43-013-33099
 WR Fed 14-04-11-17
 Sec 28 T10S R17E 0709 FNL 2115 FWL

 43-013-33125
 WR Fed 11-29-10-17
 Sec 29 T10S R17E 0856 FSL 0752 FWL

 43-013-33124
 WR Fed 11-17-10-17
 Sec 17 T10S R17E 0463 FNL 0816 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc

File - Wilkin Ridge Unit

Division of Oil Gas and Mining

Central Files Agr. Sec. Chron Fluid Chron



14421 County Rd. 10 • Ft. Lupton, Colorado 80621 • (303) 857-9999 • FAX (303) 857-0577 • E-MAIL Permitco 1@aol.com

March 10, 2006

Division of Oil, Gas & Mining 1594 West North Temple, Suite 1210 Box 145801 Salt Lake City, UT 84114-5801 Attn: Minerals

Re:

Gasco Production Company
Wilkin Ridge Federal #32-20-10-17
1923' FNL and 2076' FEL
SW NE Section 20, T10S - R17E
Uintah County, Utah

Gentlemen:

Enclosed please find two copies of the Application for Permit to Drill, along with one copy of the Onshore Order No. 1 which was filed with the BLM in Vernal, Utah.

If you should need additional information, please don't hesitate to contact me. Approved copies of the A.P.D. should be sent to Permitco Inc. at the address shown above.

Sincerely,

PERMITCO INC.

Such Smith

Lisa Smith Consultant for

Gasco Production Company

RECEIVED

MAR 1 3 2006

Enc.

DIV. OF OIL, GAS & MINING

ONSHORE OIL & GAS ORDER NO. 1

Approval of Operations on Onshore Federal and Indian Oil & Gas Leases

Wilkin Ridge Federal #32-20-10-17 1923' FNL and 2076' FEL SW NE Section 20, T10S - R17E **Duchesne County, Utah**

Prepared For:

Gasco Production Company

By:

CONFIDENTIAL TIGHT HOLE PERMITCO INC. 14421 County Road 10 Ft. Lupton, Colorado 80621 303/857-9999

Copies Sent To:

- 3 Bureau of Land Management Vernal, UT Utah Division of Oil, Gas & Mining - SLC, UT 2 - Gasco Production Company - Englewood, CO
 - 1 Shawn Elworthy Roosevelt, UT



APPLICATION FOR PERMIT TO DRILL OR REENTER

24. Attachments

The f	following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:
1.	Well plat certified by a registered surveyor. Attached.
2.	A Drilling Plan See Drilling Plan Attached
3.	A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the Appropriate Forest Service Office. See Surface Use Plan Attached.
4.	Bond to cover the operations unless covered by an existing bond on file (see Item 20). Bond coverage for this well is provided by Gasco Production Company under their BLM Bond No. UT - 1233.
5.	Operator certification. Please be advised that Gasco Production Company is considered to be the operator of the above mentioned well. Gasco Production Company agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the leased lands.
6.	Such other site specific information and/or plans as may be required by the authorized officer.

Lease No. UTU-75083

DRILLING PROGRAM

Page 1

ONSHORE OIL & GAS ORDER NO. 1 Approval of Operations on Onshore Federal and Indian Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS

Formation	Depth	Subsea
Wasatch	5,135'	920'
Mesaverde	9,380'	-3,325'
Castlegate	11,955'	-5,900'
Blackhawk	12,215'	-6,160'
Aberdeen	12,945'	-6,890'
T.D.	13,250'	-7,195'

2. <u>ESTIMATED DEPTH OF ANTICIPATED WATER, OIL, GAS OR MINERAL FORMATIONS:</u>

Substance	Formation	Depth
Gas	Wasatch	5,300' - 9,380'
Gas	Mesaverde	9,380' - 11,955'
Gas	Blackhawk	12,215' - 13,150'

All fresh water prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.



Lease No. UTU-75083

DRILLING PROGRAM

Page 2

3. PRESSURE CONTROL EQUIPMENT

Gasco Production Company's minimum specifications for pressure control equipment are as follows:

Ram Type: 11" Hydraulic double with annular, 5000 psi w.p.

Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 70 percent of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a test plug, if a decline in pressure of more than 10 percent in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

Annular type preventers (if used) shall be tested to 50 percent of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above test shall be performed:

- a. when initially installed;
- b. whenever any seal subject to test pressure is broken
- c. following related repairs; and
- d. at 30-day intervals

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) the check valve shall be held open or the ball removed.

Annular preventers shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more than once a day.

A BOPE pit level drill shall be conducted weekly for each drilling crew.

Pressure tests shall apply to all related well control equipment.



Lease No. UTU-75083

DRILLING PROGRAM

Page 3

All of the above described tests and/or drills shall be recorded in the drilling log.

BOP systems shall be consistent with API RP53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The District Office should be notified, with sufficient lead time, in order to have the BLM representative on location during pressure testing.

- a. The size and rating of the BOP stack is shown on the attached diagram. Although a rig has not been chosen to drill this well, most of the equipment for this depth of hole in the area use a 11", 5000 psi working pressure blowout preventor.
- b. A choke line and a kill line are to be properly installed. The kill line is <u>not</u> to be used as a fill-up line.
- c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.
- d. Drill string safety valve(s), to fit <u>all</u> tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.

4. PROPOSED CASING AND CEMENTING PROGRAM:

a. The proposed casing and cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use. The casing setting depth shall be calculated to position the casing seat opposite a competent formation which will contain the maximum pressure to which it will be exposed during normal drilling operations. Determination of casing setting depth shall be based on all relevant factors, including; presence/absence of hydrocarbons; fracture gradients; usable water zones; formation pressures; lost circulation zones; other minerals; or other unusual characteristics. All indications of usable water shall be reported.



Lease No. UTU-75083

DRILLING PROGRAM

Page 4

- b. Casing design shall assume formation pressure gradients of 0.44 to 0.50 psi per foot for exploratory wells (lacking better data).
- c. Casing design shall assume fracture gradients from 0.70 to 1.00 psi per foot for exploratory wells (lacking better data)
- d. Casing collars shall have a minimum clearance of 0.422 inches of all sides in the hole/casing annulus, with recognition that variances can be granted for justified exceptions.
- e. All waiting on cement times shall be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.
- f. All casing except the conductor casing, shall be new or reconditioned and tested used casing that meets or exceeds API standards for new casing.
- g. The surface casing shall be cemented back to surface either during the primary cement job or by remedial cementing.
- h. All indications of usable water shall be reported to the authorized officer prior to running the next string of casing or before plugging orders are requested, whichever occurs first.
- i. Three centralizers will be run on the bottom three joints of surface casing with a minimum of one centralizer per joint starting with the shoe joint.
- j. Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a suitable preflush fluid, inner string cement method, etc. shall be utilized to help isolate the cement from contamination by the mud fluid being displaced ahead of the cement slurry.
- k. All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or 1500 psi, whichever is greater, but not to exceed 70 percent of the minimum internal yield. If pressure declines more than 10 percent in 30 minutes, corrective action shall be taken.
- I. On all exploratory wells, and on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.

Lease No. UTU-75083

DRILLING PROGRAM

Page 5

m. The proposed casing program will be as follows:

Purpose	Depth	Hole Size	O.D.	Weight	Grade	Туре	New/Used
Conductor	0-200'	17-1/2"	13-3/8"	48#	H-40		New
Surface	0-3,865'	12-1/4"	8-5/8"	32#	J-55	ST&C	New
Production	0-13,250'	7-7/8"	4-1/2"	13.5#	P-110	LT&C	New

- n. Casing design subject to revision based on geologic conditions encountered.
- o. The cement program will be as follows:

Conductor	Type and Amount	
TOC @ Surface	200 sx Premium Type 5 mixed @ 15.6 ppg, 1.18 yield	
Surface	Type and Amount	
TOC @ Surface	Lead: 662 sx Hi-Lift mixed @ 11 ppg, 3.91 yield Tail: 185 sx 10-2 RFC mixed @ 14.2 ppg, 1.63 yield	
Production	Type and Amount	
TOC @ 2,500'	Lead: 523 sx Hi-Lift mixed @ 11.5 ppg, 3.05 yield Tail: 1393 sx 50:50 Poz mixed @ 14.1 ppg, 1.28 yield	

- p. Anticipated cement tops will be reported as to depth; not the expected number of sacks of cement to be used. The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.
- q. After cementing but before commencing any test, the casing string shall stand cemented until the cement has reached a compressive strength of at least 500 psi at the shoe. WOC time shall be recorded in the driller's log.
- r. The following reports shall be filed with the District Manager within 30 days after the work is completed.



Lease No. UTU-75083

DRILLING PROGRAM

Page 6

- 1. Progress reports, Form 3160-5 (formerly 9-331) "Sundry Notices and Reports on Wells", must include complete information concerning:
 - a. Setting of each string of casing, showing the size, grade, weight of casing set, hole size, setting depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing, depth of cementing tools used, casing test method and results, and the date work was done. Show the spud date on the first reports submitted.
 - b. Temperature or bond logs must be submitted for each well where the casing cement was not circulated to the surface.
- s. Auxiliary equipment to be used is as follows:
 - 1. Kelly cock
 - 2. No bit float is deemed necessary.
 - 3. A sub with a full opening valve.

5. MUD PROGRAM

a. The proposed circulating mediums to be employed in drilling are as follows:

Interval	Mud Type	Mud Wt.	Visc.	F/L	рН
0 - 200'	Fresh Water	8.33	1		7
200' - 3,865'	Fresh Water	8.33	1		7-8
3,865' - 13,250'	Fresh Water/DAP	9.0-11.5	30-40	12-20	8

There will be sufficient mud on location to control a blowout should one occur. A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, static filtration loss, and Ph.



Lease No. UTU-75083

DRILLING PROGRAM

Page 7

- b. Mud monitoring equipment to be used is as follows:
 - 1. Periodic checks will be made each tour of the mud system. The mud level will be checked visually.
- c. No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.
- d. No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.
- e. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

6. EVALUATION PROGRAM

The anticipated type and amount of testing, logging and coring are as follows:

a. No drill stem tests are anticipated, however, if DST's are run, the following requirements will be adhered to:

Initial opening of drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours is obtained from the authorized officer. However, DST's may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e. lighting which is adequate for visibility and vapor-proof for safe operations). Packers can be released, but tripping shall not begin before daylight, unless prior approval is obtained from the authorized officer. Closed chamber DSTs may be accomplished day or night.

A DST that flows to the surface with evidence of hydrocarbons shall be either reversed out of the testing string under controlled surface conditions. This would involve provided some means for reverse circulation.

Separation equipment required for the anticipated recovery shall be properly installed before a test starts.



Lease No. UTU-75083

DRILLING PROGRAM

Page 8

All engines within 100 feet of the wellbore that are required to "run" during the test shall have spark arresters or water cooled exhausts.

- b. The logging program will consist of a Schlumberger Platform Express or Equivalent to be run from TD Base of Surface Casing.
- c. No cores are anticipated.
- d. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 3160-4. Samples (cutting, fluids, and/or gases0 will be submitted when requested by the authorized officer (AO).
- e. The anticipated completion program is as follows: Perform mulitstage fracs and complete all productive Mesaverde and Wasatch sands present in wellbore. Produce all zones together.
- f. Daily drilling and completion progress reports shall be submitted to the BLM in Vernal on a weekly basis.

7. ABNORMAL TEMPERATURES OR PRESSURES

- a. The expected bottom hole pressure is 7950 psi. The maximum bottom hole temperature anticipated is 239 degrees F.
- b. No hydrogen sulfide gas is anticipated. Abnormal pressures will be controlled with mud weight and 5000# BOP and rotating head.

8. ANTICIPATED STARTING DATES AND NOTIFICATION OF OPERATIONS

- a. Drilling is planned to commence upon approval of this application.
- b. It is anticipated that the drilling of this well will take approximately 35 days.



Lease No. UTU-75083

DRILLING PROGRAM

Page 9

- c. The BLM in Vernal, Utah shall be notified of the anticipated date of location construction commencement and of anticipated spud date.
- d. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.
- e. The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.
- f. In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed with the Vernal BLM District Office, 170 South 500 East, Vernal, UT 84078.
- g. <u>Immediate Report:</u> Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.
- h. If a replacement rig is contemplated for completion operations, a "Sundry Notice" Form 3160-5 to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.
- i. Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communications, not later than 5 days following the date on which the well is placed on production.
- j. Pursuant to Onshore Order No. 7, with the approval of the District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.
- k. Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas,



Lease No. UTU-75083

DRILLING PROGRAM

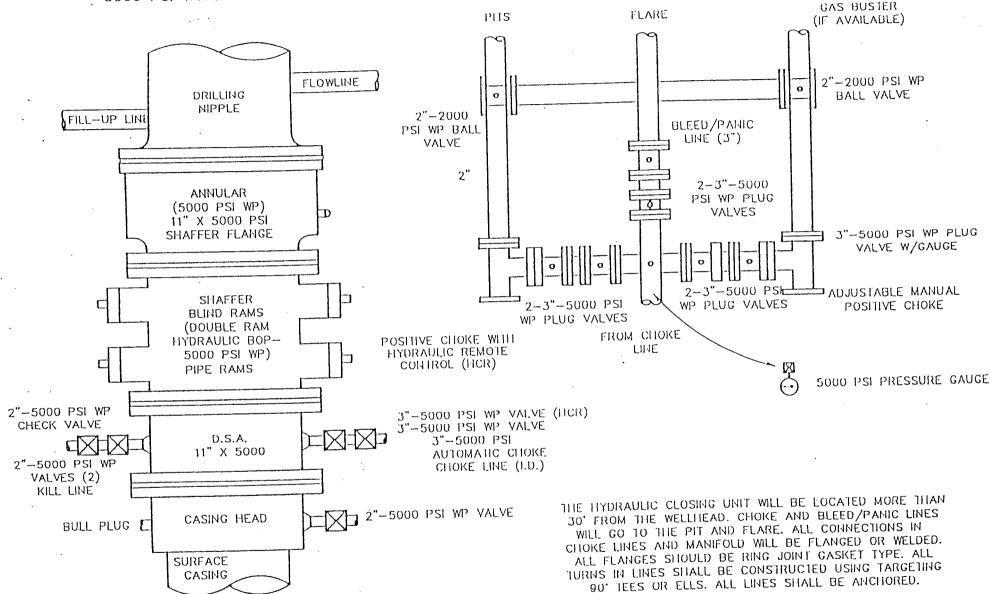
Page 10

whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.

- I. A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9.d.), shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b.4.).
- m. A first production conference will be scheduled within 15 days after receipt of the first production notice.
- n. No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the SO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.
- o. Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

Bureau of Land Management 170 South 500 East Vernal, Utah 84078 Phone: 435/781-4400 After Hours:		
Matt Baker	Petroleum Engineer	435/828-4470
Michael Lee	Petroleum Engineer	435/828-7875





ONSHORE ORDER NO. 1 Gasco Production Company Wilkin Ridge Federal #32-20-10-17 1923' FNL and 2076' FEL

SW NE Section 20, T10S - R17E

CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-75083

SURFACE USE PLAN

Page 1

ONSHORE OIL & GAS ORDER NO. 1 NOTIFICATION REQUIREMENTS

Location Construction -

Duchesne County, Utah

forty-eight (48) hours prior to construction of location and access roads.

Location Completion -

prior to moving on the drilling rig.

Spud Notice

at least twenty-four (24) hours prior to spudding the well.

Casing String and Cementing

twenty-four (24) hours prior to running casing and

cementing all casing strings.

BOP and Related **Equipment Tests**

twenty-four (24) hours prior to initiating pressure tests.

First Production -Notice

within five (5) business days after new well begins or

production resumes after well has been off production for more than

ninety (90) days.

The onsite inspection for the subject well site was conducted on November 1, 2005 at approximately 11:45 a.m. Weather conditions were clear, cool and sunny. In attendance at the onsite inspection were the following individuals:

Karl Wright Todd Megrath Natural Resource Specialist

Bureau of Land Management

Lisa Smith

Wildlife Biologist Permitting Agent **SWCA** Permitco Inc.

Jesse Walton

Surveyor

Uintah Engineering and Land Surveying

Shawn Elworthy

Field Supervisor

Gasco Production Company

1. **EXISTING ROADS**

The proposed well site is located approximately 23.6 miles south of Myton, Utah. a.



Lease No. UTU-75083

SURFACE USE PLAN

Page 2

b. Directions to the location from Myton, Utah are as follows:

Proceed in a southeasterly direction from Myton, Utah for approximately 12.7 miles to the Castle Peak Mine. Stay right and continue southerly for 6.6 miles to a fork in the road. Turn right and proceed southwesterly for 1.2 miles until reaching a second fork in the road. Turn right and proceed southwesterly 2.8 miles. Continue westerly on an existing 2-track 150 feet. Turn left onto the proposed access and proceed southerly 0.3 miles until reaching the proposed location.

- c. For location of access roads within a 2-Mile radius, see Maps A & B.
- d. Improvement to existing main roads will not be required.
- e. All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.
- f. Existing roads and newly constructed roads on surface under the jurisdiction of any Surface Managing Agency shall be maintained in accordance with the standards of the SMA.

2. PLANNED ACCESS ROADS

- a. There will be 150 feet of existing 2-track to be upgraded and 0.3 miles of new access.
- b. The maximum grade is approximately 4%.
- c. No turnouts are planned.
- d. One 6' culvert will be installed adjacent to the low water crossing in the drainage north of the location.
- e. The access road was centerline surveyed at the time of staking.
- f. The use of surfacing material is not anticipated, however it may be necessary depending on weather conditions.
- g. No cattle guards will be necessary.



ONSHORE ORDER NO. 1
Gasco Production Company
Wilkin Ridge Federal #32-20-10-17
1923' FNL and 2076' FEL
SW NE Section 20, T10S - R17E
Duchesne County, Utah

Lease No. UTU-75083

SURFACE USE PLAN

Page 3

- h. Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.
- i. Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).
- j. The road will be constructed/upgraded to meet the standards of the anticipated traffic flow and all weather road requirements. Construction/upgrading shall include ditching, draining, graveling, crowing and capping the roadbed as necessary to provide a well constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.
- k. No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.
- I. No road right of ways will be necessary since all new access is within the lease boundary.

3. LOCATION OF EXISTING WELLS WITHIN A 1-MILE RADIUS OF THE PROPOSED LOCATION. (See Map "C")

- a. Water wells none
- b. Injection wells none
- c. Producing wells three
- d. Drilling wells none
- e. Shut-in wells two



ONSHORE ORDER NO. 1
Gasco Production Company
Wilkin Ridge Federal #32-20-10-17
1923' FNL and 2076' FEL
SW NE Section 20, T10S - R17E
Duchesne County, Utah

Lease No. UTU-75083

SURFACE USE PLAN

Page 4

- f. Temporarily abandoned wells none
- g. Disposal wells -none
- h. Abandoned wells two
- i. Dry Holes none

4. LOCATION OF TANK BATTERIES AND PRODUCTION FACILITIES.

- a. All permanent structures (onsite for six months or longer) constructed or installed (including oil well pump jacks) will be painted Carlsbad Canyon. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.
- b. If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall surrounded by a containment dike of sufficient capacity to contain at a minimum, the entire contents of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.
- c. If production is established, a production facility diagram will be submitted via Sundry Notice.
- d. All loading lines will be placed inside the berm surrounding the tank battery.
- e. Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flow line will be buried or anchored down from the wellhead to the separator. Meter runs will be housed and/or fenced.
- f. The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal Field Office. All meter measurement facilities will conform with Onshore Oil and Gas Order No. 4 for liquid hydrocarbons and Onshore Oil and Gas Order No. 5 for natural gas measurement.

Lease No. UTU-75083

SURFACE USE PLAN Page 5

g. If at any time the facilities located on public land and authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change), BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental or other financial obligation as determined by the authorized officer.

- h. Any necessary pits will be properly fenced to prevent any wildlife entry.
- i. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.
- j. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.
- k. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic.
- I. The road will be maintained in a safe useable condition.
- m. Produced water will be stored in a 300 bbl heated, insulated tank, then hauled to a commercial disposal site such as Disposal Inc., or Brennan Bottom.
- n. Pipelines will follow the route shown on Map D. See Pipeline detail attached. No pipeline right of way will be necessary.

5. LOCATION AND TYPE OF WATER SUPPLY

- a. The proposed water source will be the Nebecker Water Station in Myton. The Water Use Claim # is 43-1721.
- b. Water will be hauled by Nebecker Water Service to the location over the access roads shown on Maps A and B.
- c. No water well will be drilled on this lease.

6. SOURCE OF CONSTRUCTION MATERIAL

a. Surface and subsoil materials in the immediate area will be utilized.



ONSHORE ORDER NO. 1
Gasco Production Company
Wilkin Ridge Federal #32-20-10-17
1923' FNL and 2076' FEL
SW NE Section 20, T10S - R17E
Duchesne County, Utah

Lease No. UTU-75083

SURFACE USE PLAN

Page 6

- b. Any gravel used will be obtained from a commercial source.
- c. The use of materials under BLM jurisdiction will conform with 43 CFR 3610.2.3. Construction material will not be located on lease.
- d. No construction materials will be removed from Federal land.

7. METHODS OF HANDLING WASTE DISPOSAL

- a. The reserve pit will be constructed so as not to leak, break, or allow discharge.
- b. At the request of the BLM, the reserve pit will be lined with a 12 mil liner. If fractured rock is encountered, the pit will be first lined with sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O.
- c. Burning will not be allowed. All trash will be contained in a trash cage and its contents removed at the end of drilling operations and hauled to an approved disposal sight.
- d. After first production, produced waste water will be confined to a unlined pit or storage tank for a period not to exceed ninety (90) days. During the 90-day period, in accordance with Onshore Order No. 7, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.
- e. Drill cuttings are to be contained and buried in the reserve pit.
- f. Any salts and/or chemicals which are an integral part of the drilling system will be disposed of in the same manner as the drilling fluid.
- g. A chemical porta-toilet will be furnished with the drilling rig.
- h. The produced fluids will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas salt water or other produced fluids will be cleaned up and removed.

ONSHORE ORDER NO. 1
Gasco Production Company
Wilkin Ridge Federal #32-20-10-17
1923' FNL and 2076' FEL
SW NE Section 20, T10S - R17E
Duchesne County, Utah

Lease No. UTU-75083

SURFACE USE PLAN

Page 7

8. ANCILLARY FACILITIES

There are no airstrips, camps, or other facilities planned during the drilling of the proposed well.

9. WELL SITE LAYOUT

- a. The operator or his/her contractor shall contact the BLM Office at 435/781-4400 forty-eight (48) hours prior to construction activities.
- b. The reserve pit will be located on the southeast side of the location.
- c. The flare pit will be located on the west side of the reserve pit, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.
- d. The stockpiled topsoil (first six inches) will be stored on the northeast side of the location, between Corners 1 and 2. Topsoil along the access route will be wind rowed on the uphill side.
- e. Access to the well pad will be from the north as shown on the Pit & Pad Layout.
- f. See Location Layout for orientation of rig, cross section of drill pad and cuts and fills.
- g. The location of mud tanks; reserve pit, trash cage; pipe racks; living facilities and soil stockpiles will be shown on the Location Layout.
- h. All pits will be fenced according to the following minimum standards:
 - 1. 39 inch net wire shall be used with at least one strand or barbed wire on top of the net wire (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
 - 2. The net wire shall be no more than 2-inches above the ground. The barbed wire shall be 3-inches above the net wire. Total height of the fence shall be at least 42-inches.
 - Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Lease No. UTU-75083

SURFACE USE PLAN

Page 8

- 4. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.
- 5. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.
- i. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until cleanup.

10. PLANS FOR RESTORATION OF SURFACE

Producing Location

- a. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash and junk not required for production.
- b. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.
- c. If a plastic nylon reinforced liner is used it shall be torn and perforated before backfilling of the reserve pit.
- d. The reserve pit and that portion of the location not needed for production facilities or operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed and all cans, barrels, pipe, etc., will be removed.
- e. Reclamation of unused disturbed areas on the well pad/access road no longer needed for operations, such as cut slopes, and fill areas will be accomplished by grading, leveling and seeding as recommended by the Authorized Officer. The following seed mixture has been requested by the Bureau of Land Management.

Species	Pounds PLS/Acres
Indian Ricegrass	4
High Crested Wheatgrass	4
Needlegrass	4
Threadgrass	4
TOTAL	12



Lease No. UTU-75083

SURFACE USE PLAN

Page 9

Seeding will be performed immediately after the location has been reclaimed and the pit has been backfilled, regardless of the time of year. Seed will be broadcast and walked in with a dozer.

f. The topsoil stockpile will be seeded as soon as the location has been constructed with the same recommended seed mix. The seed will be walked in with a cat.

Dry Hole

g. At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and BLM will attach the appropriate surface rehabilitation conditions of approval.

Interim Surface Reclamation will be as follows:

- 1. Immediately after final well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production operations.
- 2. Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in the reserve pit will be removed. Other waste and spoil materials will be disposed of immediately, weather permitting, upon final well completion.
- 3. If a synthetic, nylon re-enforced, liner is used, the excess liner will be cut off and removed and the remaining liner will be torn and perforated while backfilling the reserve pit.

 Alternatively, the pit will be pumped dry, the liner folded into the pit, and the pit backfilled. The liner will be buried to a minimum of four (4) feet deep.
- 4. The reserve pit will be reclaimed within 180 days from the date of final well completion, weather permitting.
- 5. The reserve pit and that portion of the location not needed for production and storage facilities, and everyday production operations, will be reshaped to the approximate original contours to the extent possible. This will be completed by backfilling and crowning the pit to prevent water from standing. Topsoil will be re-spread up to the rig anchor points, excluding the area needed for production and storage facilities and everyday production operations. Re-seeding, using appropriate reclamation methods, will occur immediately following the re-spreading of topsoil, weather permitting. The Authorized Officer will provide a seed mixture to re-vegetate the reserve pit and other unused disturbed areas the time of the onsite.

ONSHORE ORDER NO. 1
Gasco Production Company
Wilkin Ridge Federal #32-20-10-17
1923' FNL and 2076' FEL
SW NE Section 20, T10S - R17E
Duchesne County, Utah

Lease No. UTU-75083

SURFACE USE PLAN Page 10

11. SURFACE OWNERSHIP

Access Roads - The majority of the access roads are maintained by the County Road Department or the Bureau of Land Management.

Well pad - The well pad is located on lands managed by the BLM.

12. OTHER INFORMATION

- a. A Class III archeological survey has been conducted by Grand River Institute. A copy of this report will be submitted to the appropriate agencies by Grand River Institute.
- b. The operator is responsible for informing all persons in the areas who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:
 - -whether the materials appear eligible for the National Register of Historic Places;
 - -the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and
 - -a time frame for the AO to complete and expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate. If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.



Lease No. UTU-75083

SURFACE USE PLAN
Page 11

- c. The operator will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM, or the appropriate County Extension Office. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.
- d. Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure.
- e. All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.
- f. A complete copy of the approved APD shall be on location during construction of the location and drilling activities.
- g. There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended or abandoned will be identified in accordance with 43 CFR 3162.
- h. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.
- i. This permit will be valid for a period of one year from the date of approval. An extension period may be granted, if requested, prior to the expiration of the original approval period. After permit termination, a new application will be filed for approval for any future operations.
- j. The operator or his contractor shall contact the BLM Offices at 435/781-4400 48 hours prior to construction activities.
- k. The BLM Office shall be notified upon site completion prior to moving on the drilling rig.



ONSHORE ORDER NO. 1 Gasco Production Company Wilkin Ridge Federal #32-20-10-17 1923' FNL and 2076' FEL SW NE Section 20, T10S - R17E Duchesne County, Utah

Lease No. UTU-75083

SURFACE USE PLAN

Page 12

LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION 13.

Permit Matters

Drilling & Completion Matters

PERMITCO INC.

Gasco Production Company 8 Inverness Drive East, Suite 100 14421 County Road 10 Englewood, CO 80112 Ft. Lupton, CO 80621

John Longwell 303/857-9999 (O) 303/483-0044 (O) 303/857-0577 (F) 303/483-0011(F) Lisa Smith

> Shawn Elworthy Roosevelt, UT (Cell) 435-823-4272

CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by GASCO Energy, Inc. and its contractors and subcontractors in conformity with the plan and the terms and conditions under which it is approved.

This statement is subject to the provisions of 18.U.S.C. 1001 for the filing of a false statement.

November 11, 2005

Date:

Venessa Langmacher - PERMITCO INC.

Authorized Agent for:

Gasco Production Company



PIPELINE INFORMATION Wilkin Ridge Federal #32-20-10-17

- 1. The type of pipeline is a single well flow line.
- 2. The outside diameter (O.D.) of all will be 8 inches maximum.
- 3. The anticipated production through the line is approximately 2000 MCF per day.
- 4. The anticipated maximum test pressure is 1000 psi.
- 5. The anticipated operating pressure is 100-200 psi.
- 6. The type of pipe is steel.
- 7. The method of coupling is welded.
- 8. The pipeline will be laid on surface because of the extremely rocky surface.
- 9. There are no other pipelines to be associated in same right of way.
- 10. There will be other objects to be associated in the same right of way. (Risers, Pig Launchers Pig Traps, meters and other appurtenances as required.)
- 11. The total length of pipeline is approximately 91 feet see Map D.
- 12. The line will be laid on surface as shown on Map D. Where possible, the pipeline will follow existing or proposed roads.
- 13. The construction width for total surface disturbing activities is 30 feet.
- 14. The estimated total acreage involving all surface disturbing activities is .06 acres.
- 15. Any surface disturbance created as a result of the pipeline construction will be reclaimed utilizing the reclamation procedures and seed mixture specified by the Bureau of Land Management.
- 16. The line will be tested with gas pressure to 1000 psi.



GASCO PRODUCTION COMPANY

WILKIN RIDGE FEDERAL #32-20-10-17

LOCATED IN DUCHESNE COUNTY, UTAH SECTION 20, T10S, R17E, S.L.B.&M.

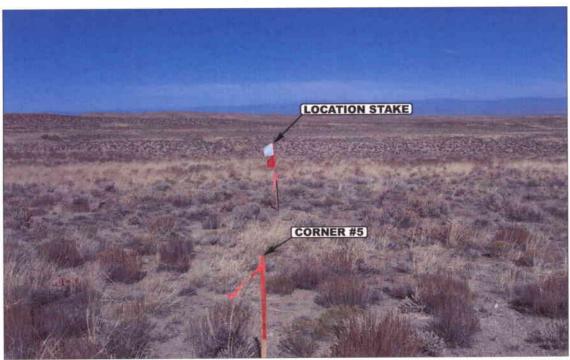


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY

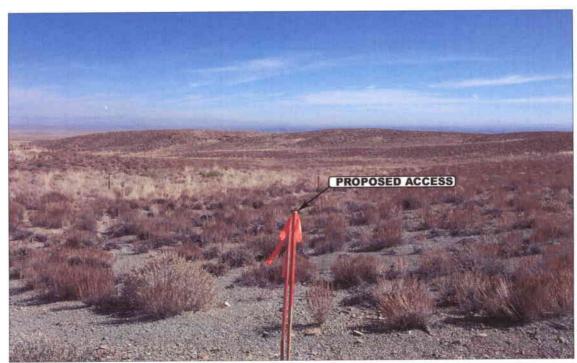
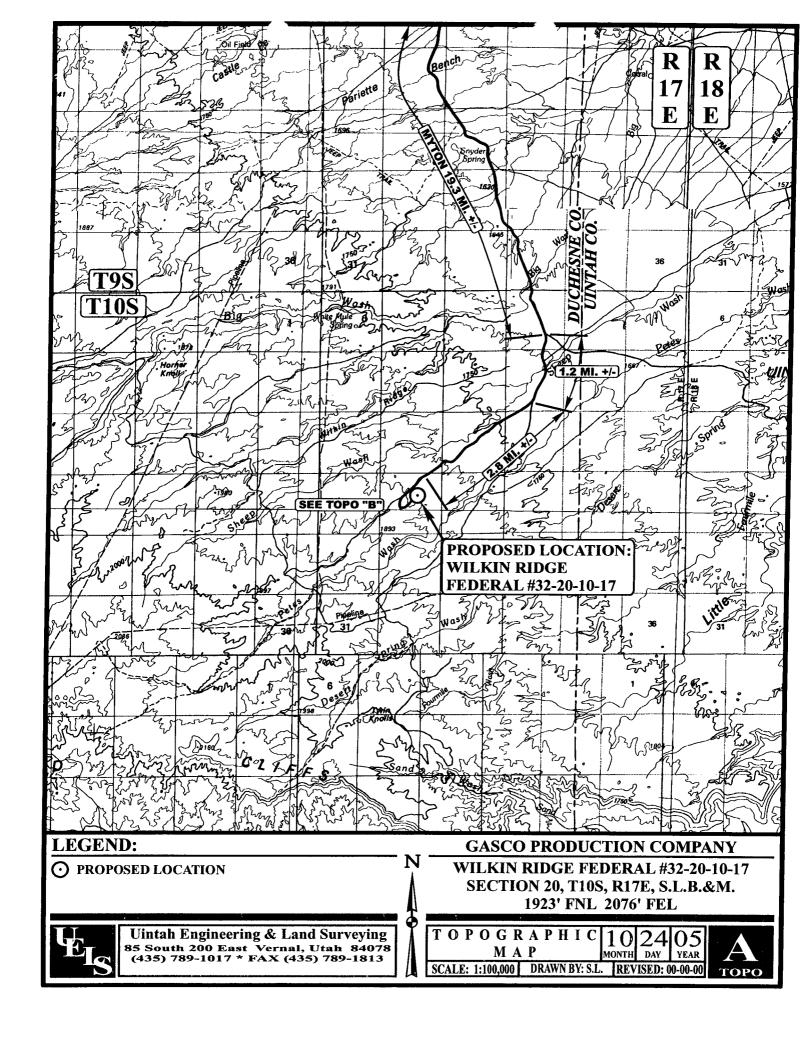


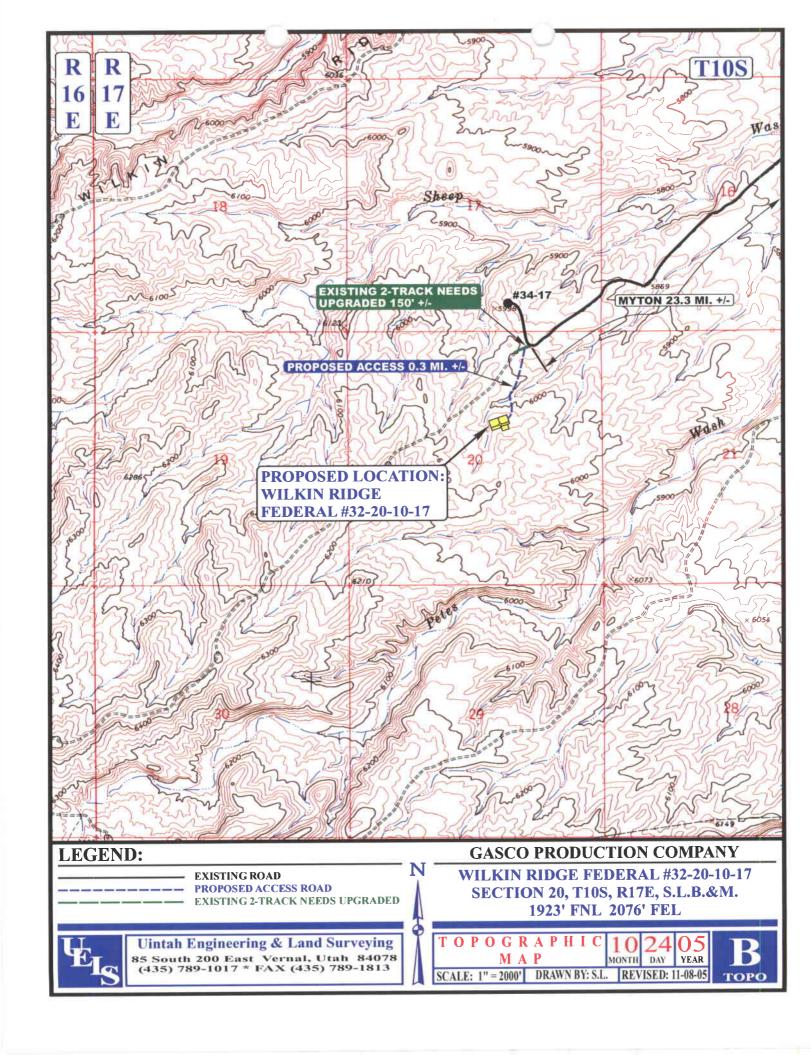
PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

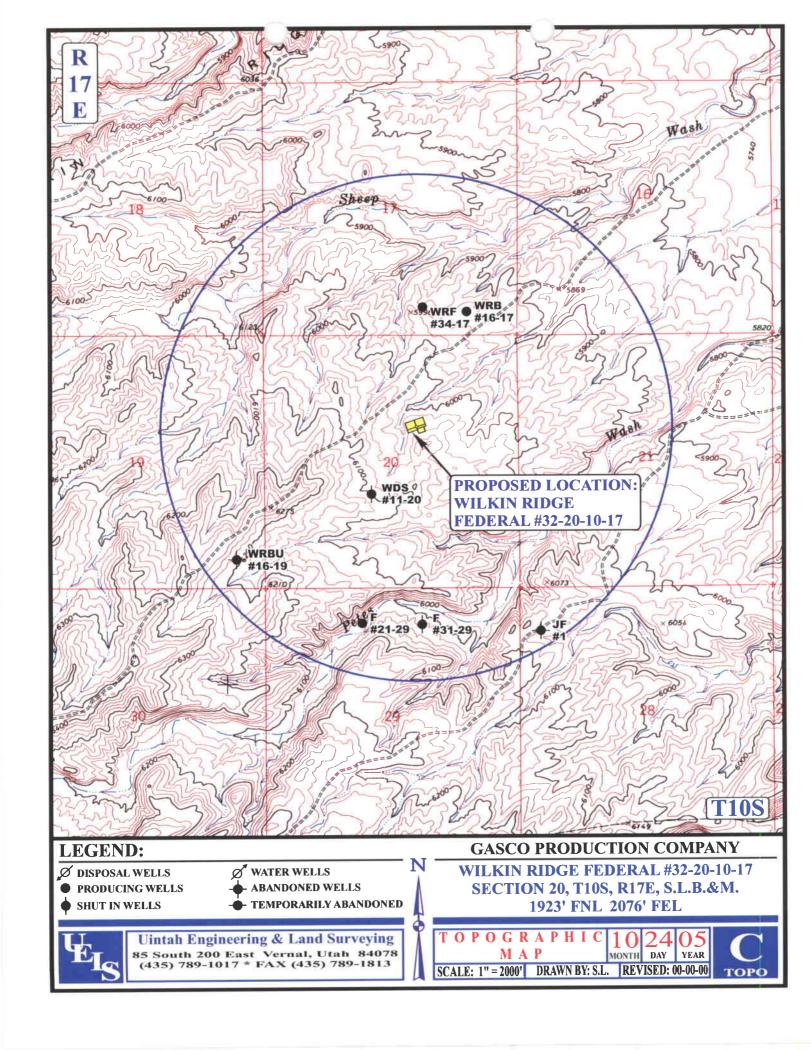
CAMERA ANGLE: EASTERLY

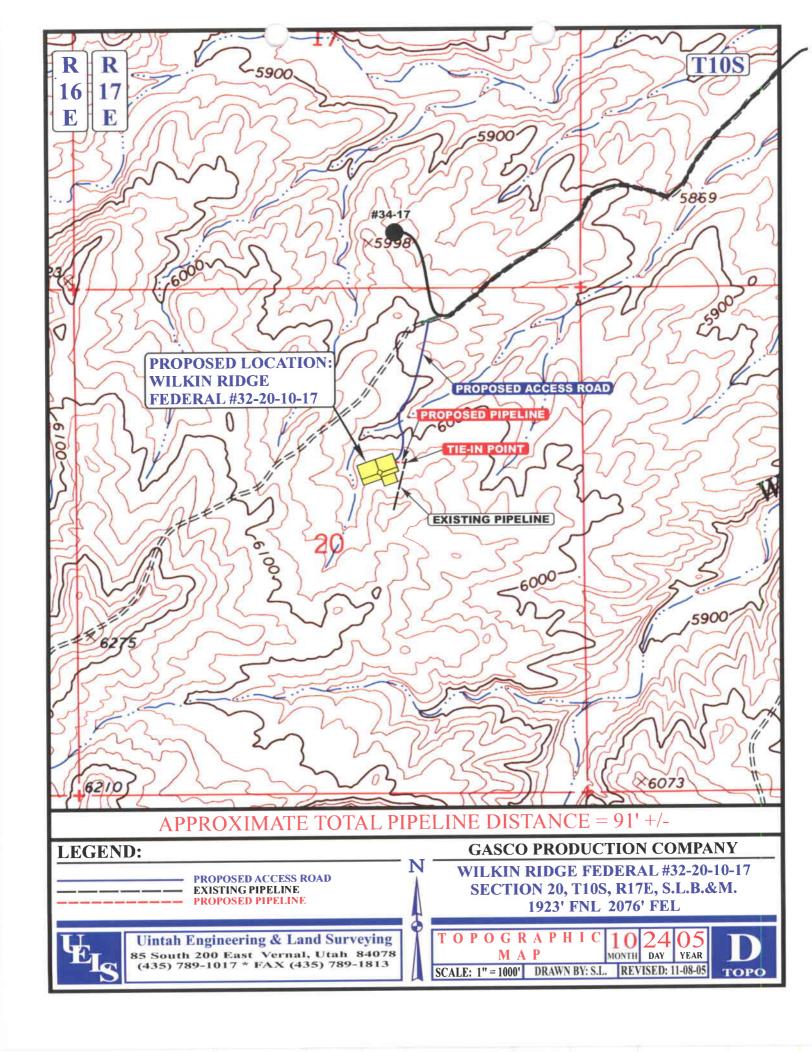


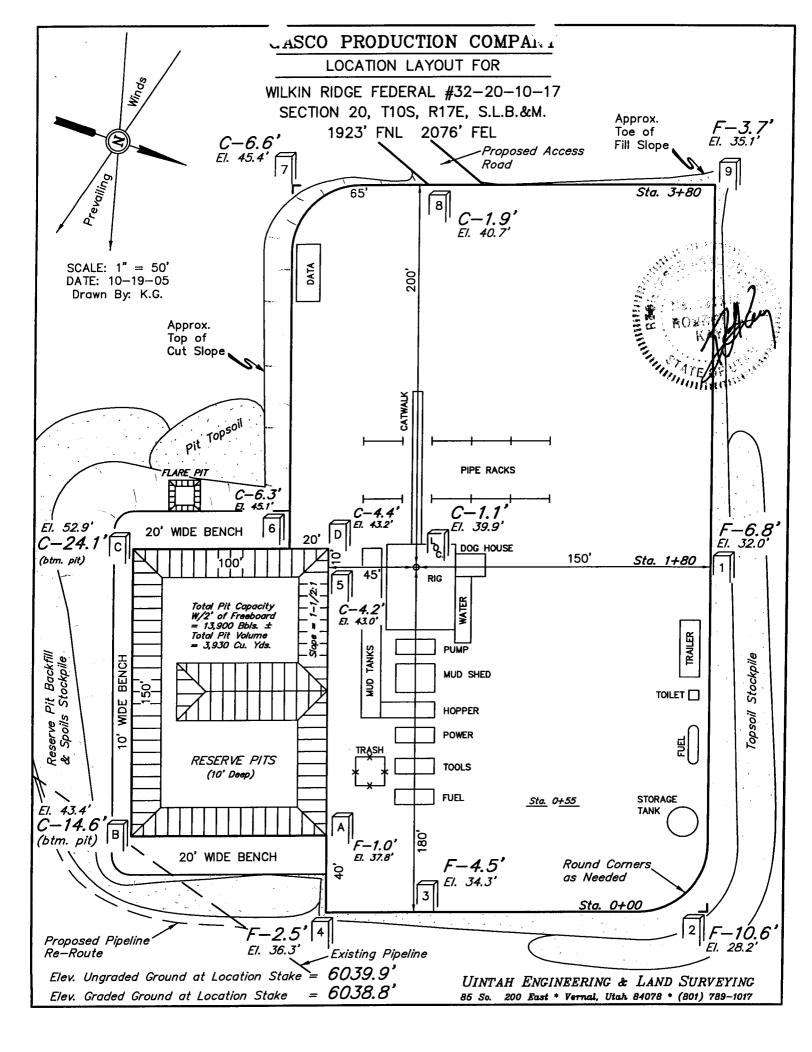
LOCATION PHOTOS		1 MO	10 24 05 MONTH DAY YEAR		05 YEAR	РНОТ
AKEN BY: J.W.	DRAWN BY: S.L.		REV	ISED: 0	0-00-00	

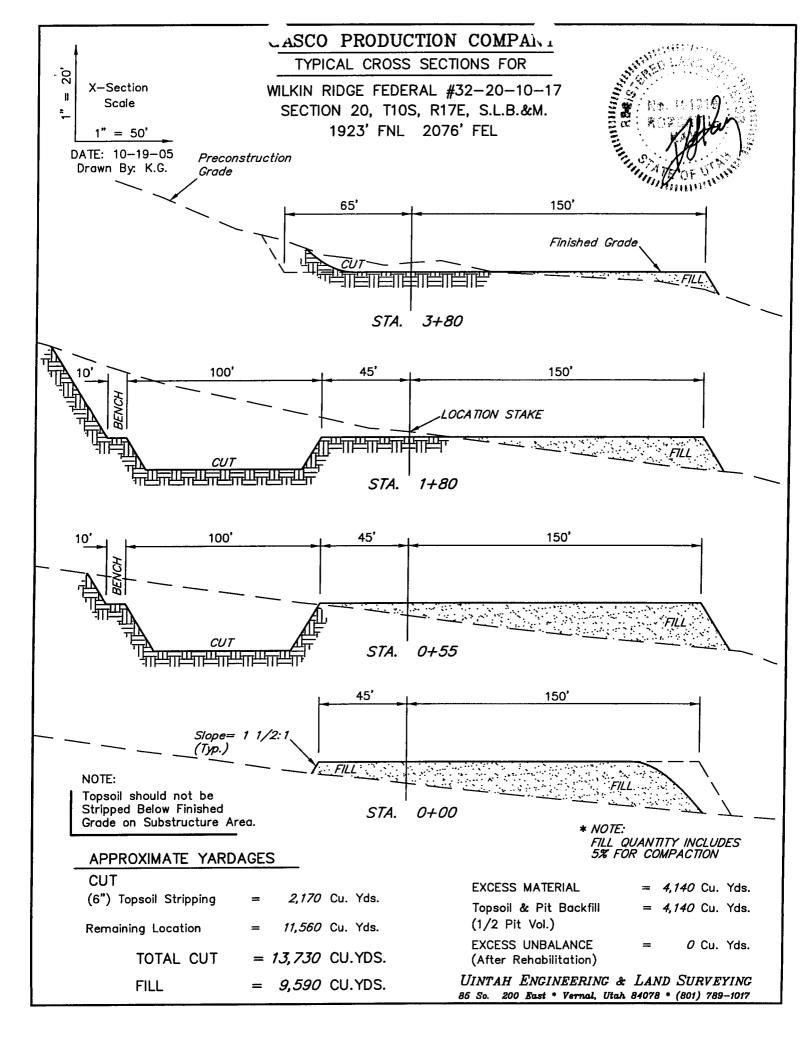












TIMING LIMITATION STIPULATION - SAGE GROUSE LEK NESTING AREA

No surface use is allowed within the nesting areas during the following time period. This stipulation does not apply to operation and maintenance of production facilities. This stipulation would not apply if sage grouse are not present or if impacts could be migrated.

March 1st through June 30th

On the lands described below:

Sec. 19: NE NE, S/2 NE, SE

Sec. 20: All

Sec. 21: W/2 NE, W/2, SE

For the purpose of:

Protecting and preserving sage grouse lek nesting areas on sage vegetation types as described by the Diamond Mountain Resource Management Plan and EIS. Waivers, exceptions, or modifications to this limitation may be specifically approved in writing by the authorized officer of the Bureau of Land Management if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated. Any changes to this stipulation will be made in accordance with the land use plan and/or the regulatory provisions for such changes.



Archeology

A Class III Archeological Survey has been conducted by Grand River Institute. A copy of this report will be submitted directly to the appropriate agencies by Grand River Institute.

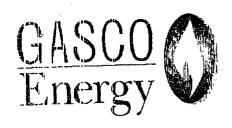
Botany

A field inspection for Special Status Plant Species has been conducted by SWCA, Inc.

<u>Paleontology</u>

A field inspection for paleontological resources has been conducted by Alden Hamblin.





Bureau of Land Management Vernal Field Office 170 S. 500 E. Vernal, UT 84078

Attn: Minerals

Re:

Gentlemen:

This letter is to inform you that Permitco Inc. is authorized to act as Agent and to sign documents on behalf of Gasco Production Company, a wholly owned subsidiary of Gasco Energy, Inc. when necessary for filing county, state and federal permits including Onshore Order No. 1, Right of Way applications, etc., for the above mentioned well.

It should be understood that Permitco is acting as Agent only in those matters stated above and is not responsible for drilling, completion, production or compliance with regulations.

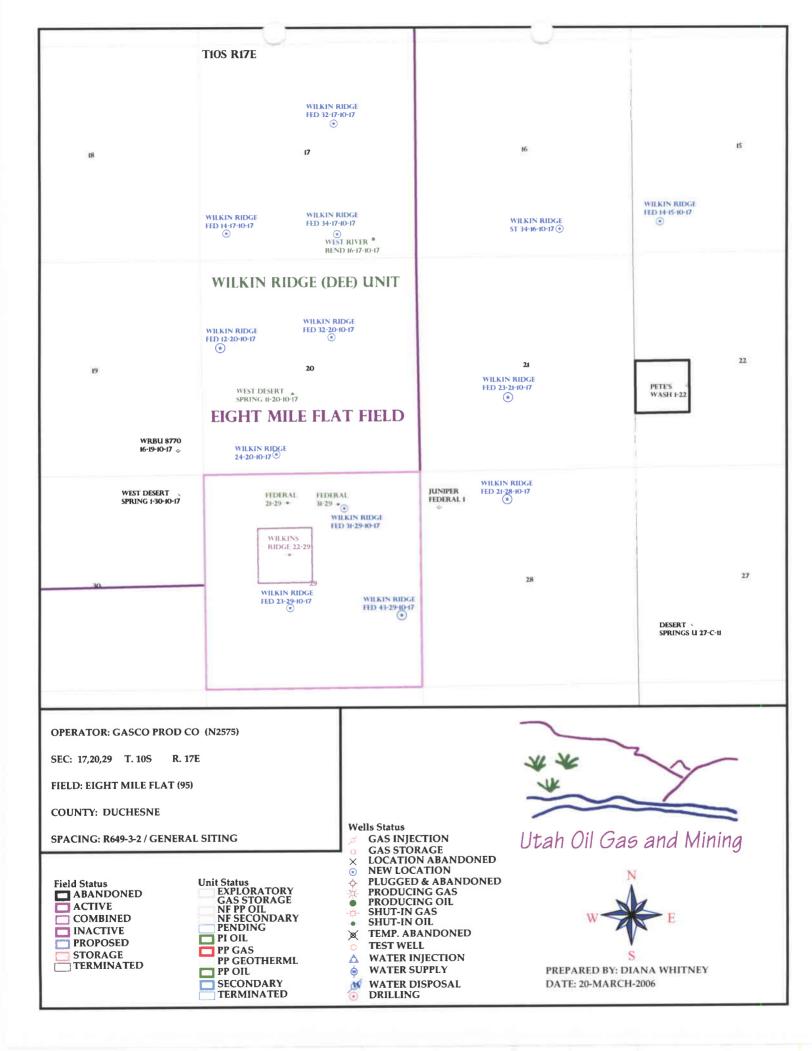
Gasco Production Company agrees to accept full responsibility for operations conducted in order to drill, complete and produce the above-mentioned well.

Yours very truly,

Mark J. Choury

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/13/2006	API NO. ASSIGNED: 43-013-33087
WELL NAME: WILKIN RIDGE FED 32-20-10-17 OPERATOR: GASCO PRODUCTION (N2575) CONTACT: LISA SMITH	PHONE NUMBER: 303-857-9999
PROPOSED LOCATION: SWNE 20 100S 170E	INSPECT LOCATN BY: / /
SWNE 20 100S 170E SURFACE: 1923 FNL 2076 FEL	Tech Review Initials Date
BOTTOM: 1923 FNL 2076 FEL	Engineering
COUNTY: DUCHESNE	Geology
LATITUDE: 39.93137 LONGITUDE: -110.0276 UTM SURF EASTINGS: 583090 NORTHINGS: 44203	Surface
FIELD NAME: EIGHT MILE FLAT (95 LEASE TYPE: 1 - Federal LEASE NUMBER: UTU-75083 SURFACE OWNER: 1 - Federal	PROPOSED FORMATION: BLKHK COALBED METHANE WELL? NO
RECEIVED AND/OR REVIEWED:	LOCATION AND SITING:
Plat	R649-2-3.
Bond: Fed[1] Ind[] Sta[] Fee[]	Unit: WILKIN RIDGE DEEP
(No. <u>UT-1233</u>)	✓ R649-3-2. General
Potash (Y/N) N Oil Shale 190-5 (B) or 190-3 or 190-13	Siting: 460 From Qtr/Qtr & 920' Between Wells
Water Permit	R649-3-3. Exception
(No. 43-1721)	Drilling Unit
<u>χ</u> RDCC Review (Y/N) (Date:)	Board Cause No:
NW Fee Surf Agreement (Y/N)	Eff Date: Siting:
NA Intent to Commingle (Y/N)	R649-3-11. Directional Drill
STIPULATIONS: 1- Call approxit	
- Spacing Ship	





State of Utah

Department of **Natural Resources**

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

> JOHN R. BAZA Division Director

JON M. HUNTSMAN, JR. Governor

> GARY R. HERBERT Lieutenant Governor

> > April 20, 2006

Gasco Production Company 8 Inverness Drive East, Suite 100 Englewood, CO 80112

Re: Wilkin Ridge Federal 32-20-10-17 Well, 1923' FNL, 2076' FEL, SW NE,

Sec. 20, T. 10 South, R. 17 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33087.

Sincerely,

Gil Hunt

Associate Director

Sif 2/5

mf **Enclosures**

Duchesne County Assessor cc:

Bureau of Land Management, Vernal District Office

Operator:	Gasco Production Company				
Well Name & Number	Wilkin	Ridge Federal 32-20-10-17	7		
API Number:	43-013-33087				
Lease:	UTU-7	5083			
Location: SW NE	Sec. 20	T. 10 South	R. 17 East		

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Form 3160-3 (August 1999)

RECEIVED

AUG U 4 2006

FORM APPROVED OMB No. 1004-0136 Expires November 30, 2000

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

DIV. OF OIL, GAS & MINING

5. Lease Serial No. NOV 1 4 2005 UTU-75083

APPLICA	TION FOR PERMIT TO	DRILL OR REENTER		6. If Indian, Allottee or T	ribe Name
la. Type of Work: DRILL	☐ RE	EENTER		7. If Unit or CA Agreemed Wilkin Ridge 8. Lease Name and Well	
b. Type of Well: Oil Well	Gas Well Other	Single Zone	Multiple Zone	Wilkin Ridge Fede	
2. Name of Operator	303-483-0044	14 Inverness Drive East,	Suite #H236	9. API Well No.	
Gasco Production Comp		Englewood, CO 80112		13-013-3	30 87
3. Name of Agent	303-857-9999	14421 County Road 10		10. Field and Pool, or Ex	ploratory
Permitco Inc Agent		Fort Lupton, CO 80621		Wilkin Ridge	
4. Location of Well (Report location	on clearly and in accordance wi	th any State requirements.*)		11. Sec., T., R., M., or Bl	
At surface	1923' FNL and 2076' FI			Section 20, T10S	-R17E
At proposed prod. zone	SW NE			12. County or Parish	13. State
14. Distance in miles and direction		e*	•	\	UT
Approximately 23.6 mile	s south of Myton, UT		I 17 Consider Uni	Duchesne t dedicated to this well	1 01
15. Distance from proposed* location to nearest		16. No. of Acres in lease	17. Spacing Oni	t dedicated to this wen	
property or lease line, ft. (Also to nearest drig. unit line,	if any) 1923'	1917.68		40 Acres	
18. Distance from proposed location	on*	19. Proposed Depth	20. BLM/BIA B	ond No. on file	<u> </u>
to nearest well, drilling, comp applied for, on this lease, ft	leted, None	13,250'		UT - 1233	
	,,,,,,	,			
21. Elevations (Show whether DF	, KDB, RT, GL, etc.)	22. Approximate date work	will start*	23. Estimated duration	
604	0' GL	ASAP		35 Da	
		24. Attachments	CONFI	DENTIAL-TIGHT	L HOLE
The following, completed in acco	rdance with the requirements of (Onshore Oil and Gas Order No.			
 Well plat certified by a registe A Drilling Plan. A Surface Use Plan (if the local SUPO shall be filed with the angle) 	Accepted Acc	ivision of the A. Bond to continue the A. Bond to cont		is unless covered by an existing an existing and/or plans as may be	
26. Signature		Name (Printed/Typed	d)	Da	
	namacher	l Ve	nessa Langma	acher :	11/11/2005
Title	Duradication Compo	mu			
	iasco Production Compa	Name (Printed/Typed	d)	Da	ite
Approved by (Signature)	/			i i	7-28-2006
Title Assistant Field Men	ens?	Office			
Mineral Resource	XÒS	VERVAC	LENCZKA FIELS OF	FICE	
Application approval does not w conduct operations thereon. Conditions of approval, if any, a	arrant or certify that the applican	t holds legal or equitable title to	those rights in the	subject lease which would en	title the applicant to
Title 18 U.S.C. Section 1001 and	Title 43 U.S.C. Section 1212. m	ake it a crime for any person know	owingly and willfu	lly to make to any department	or agency of the
THE TO U.S.C. SCHOOL TOOT MICE					

United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

^{*(}Instructions on reverse)



(Notify Petroleum Engineer)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT** VERNAL FIELD OFFICE

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

SWNE, Sec 20, T10S, R17E Location: **Gasco Production Company** Company:

Wilkin Ridge Fed. 32-20-10-17 Lease No: UTU-75083 Well No:

170 South 500 East

Agreement: Wilkin Ridge (Deep) Unit API No: 43-013-33087

Petroleum Engineer: Petroleum Engineer: Petroleum Engineer: Supervisory Petroleum Technician: Environmental Scientist: Environmental Scientist: Natural Resource Specialist:	Matt Baker Michael Lee Roger Hall Jamie Sparger Paul Buhler Karl Wright Holly Villa Melissa Hawk Nathaniel West Chris Carusona Scott Ackerman	Office: 435-781-4490 Office: 435-781-4432 Office: 435-781-4470 Office: 435-781-4502 Office: 435-781-4475 Office: 435-781-4484 Office: 435-781-4404 Office: 435-781-4476 Office: 435-781-4447 Office: 435-781-4441	Cell: 435-828-4470 Cell: 435-828-7875 Cell: 435-828-3913 Cell: 435-828-4029
Natural Resource Specialist: After Hours Contact Number: 435	Scott Ackerman -781-4513	Office: 435-781-4437 Fax: 435-781-4410	
MILLI HOULD COMMENT (CHANGE)			

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.

NOTIFICATION REQUIREMENTS

Location Construction (Notify Karl Wright)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Karl Wright)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Jamie Sparger)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Jamie Sparger)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice	-	Within Five (5) business days after new well begins or production

days.

resumes after well has been off production for more than ninety (90)

COAs: Page 2 of 6 Well: Wilkin Ridge Federal 32-20-10-17

SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

Timing Limitation Stipulation-Sage Grouse Lek Nesting Areas—No surface use is allowed within the nesting areas during the following time period: March 1 through June 30. This stipulation does not apply to operation and maintenance of production facilities. This stipulation would not apply if sage grouse are not present or if impacts could be mitigated. If it is anticipated that construction or drilling will be proposed during the timing restriction for sage grouse, a formal exception letter must be sent to the Authorized Officer at the BLM and a BLM or qualified biologist must be notified prior to the start of surveys. Depending upon the results of the survey, permission to proceed may or may not be recommended or granted (depending on the species being surveyed and the condition of the habitat).

Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the respreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt. The following interim seed mix shall be used:

7	ype	lbs./acre
Western Wheatgrass	Agropyron smithii	4
Needle and Threadgrass	Stipa comata	4
Hy-crest Crested wheatgrass	Agropyron cristatum	4
** Seed should be drilled; but used and work the solids mech	if broadcasted double the pour nanically to cover the seed.	nds per acre

If paleontologic materials are uncovered during construction, the operator shall immediately stop work that might further disturb such materials and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation will be necessary for the discovered paleontologic material.

Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil respread over the surface; and, the surface revegetated. The surface of approved staging areas where construction activities did not occur may require disking or ripping and reseeding.

Other reclamation methods including but not limited to mulching or soil treatments may be required on a site-specific basis.

The following seed mixture shall be used to seed the reserve pits and for final abandonment for the location:

	Туре	lbs./acre
Hy-crest Crested wheatgrass	Agropyron cristatum	4
Needle and Threadgrass	Stipa Comata	4
Indian Rice Grass	Oryzopsis hymenoides	4
** Seed should be drilled; used and work the solids m	but if broadcasted double the pound echanically to cover the seed.	ls per acre

The seed mix may be revised at the time of final abandonment.

COAs: Page 3 of 6 Well: Wilkin Ridge Federal 32-20-10-17

DOWNHOLE CONDITIONS OF APPROVAL

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

1.

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- 1. There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
- 2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- 3. Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- 4. Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

No aggressive/fresh hard-banded drill pipe shall be used within casing.

- 5. All shows of fresh water and minerals shall be reported and protected. A sample shall be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.
- 6. No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30

COAs: Page 4 of 6 Well: Wilkin Ridge Federal 32-20-10-17

days, prior approval of the BLM, Vernal Field Office shall be obtained and notification given before resumption of operations.

7. Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

Any change in the program shall be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) shall be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.

In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

8. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

A cement bond log (CBL) will be run from the production casing shoe to the surface casing shoe and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.

9. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall have prior written approval from the BLM, Vernal Field Office.

COAs: Page 5 of 6 Well: Wilkin Ridge Federal 32-20-10-17

All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.

- 10. Oil and gas meters shall be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.
- 11. A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- 12. This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - a. Operator name, address, and telephone number.
 - b. Well name and number.
 - c. Well location (1/41/4, Sec., Twn, Rng, and P.M.).
 - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
 - e. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - f. The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - g. Unit agreement and / or participating area name and number, if applicable.
 - h. Communitization agreement number, if applicable.
 - 13. Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
 - 14. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than

COAs: Page 6 of 6 Well: Wilkin Ridge Federal 32-20-10-17

Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production

- 15. Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- 16. Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.



DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company:	GASCO PR	ODUCTIC	N COMI	ANY	
Well Name:	WILKIN RI	DGE FED	32-20-10	-17	···
Api No: 43-013-3308					
Section 20 Township					
Drilling Contractor	PETE MART	IN DRLG	RIG #_	RATHOLE	
SPUDDED:					
Date	11/21/06				
Time					
How	DRY				
Drilling will Commend	e:				
Reported by	RICK FELK	ER			
Telephone #					
Date11/27/2006	Signed	СНЕ)		

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

CODM	R
FURM	o

ENTITY	ACTION	FORM

Operator:

Gasco Production Co

Operator Account Number: N 2575

Address:

8 Inverness Drive East, Ste 100

city Englewood

zip 80112 state Co

Phone Number: (303) 483-0044

7 1			1 00	900	Twp	Rng	County	
API Number	Wel	Name	QQ	Sec.	1 WP			
4304737677	Uteland State 12-2-	10-18	SWNW	2	108	18E	Uintah	
Action Code	Current Entity Number	New Entity Number	8	pud Da	te	E	ity Assignment Rective Date	
A	99999	15806	11/23/2006		1	11/30/06		
comments: Spu	d Well BLKHK	= mups			ſ	:NNF	IDENTIAL	

API Number	T Wal	l Name	QQ	Sec	Twp	Rng	County
4301333087	Wilkin Ridge Federa		SWNE	20	108	17E	Duchesne
Action Code	Current Entity Number	New Entity Number	8	pud De	b		tity Assignment Effective Date
Α	99999	15807	1	1/21/20	06	//	130/06
omments:		MUPD				 	TENITIAL

BLKHK= MURD

CONFIDENTIAL

API Number	Well	QQ	Sec	Twp	Rng	County	
Action Code	Current Entity Number	New Entity Number		pud De	to	En	tity Assignment Effective Date
Comments:				·	<u> </u>	<u></u>	

ACTION CODES:

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing entity
- D Re-assign well from one existing entity to a new entity
- E Other (Explain in 'comments' section)

Beverly Walker

Engineering Technician

11/27/2006

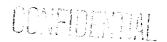
Date

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DIV. OF OIL, GAS & MINING

Division of Oil, Gas & Mining 1594 West North Temple, Suite 1210 Salt Lake City, UT 84114-5801

Attn: Carol Daniels

November 29, 2006

Dear Ms Daniels:

Gasco Production Company will soon be drilling the Wilkin Ridge Federal 32-20-10-17, SWNE 20-10S-17E, Duchesne County, Utah. The API Number for this well is 43-013-33087.

Gasco wishes to keep all information on this well CONFIDENTIAL for as long a period as possible.

Yours truly,

Robin Dean

Geological Manager

Gasco Energy, Inc.



CONFIDENTIAL TIOS RIPE 5-20 43-013-33087

AFE # 40158

Well:	WRF 32-2	20-10-17	Permit Dep	oth: 13250	Prog. Dept			12/8/2006	Days Since		RU1
Current C	Operations	s:		RIC	3 DOWN C	N WRF2	4-20-10-17, C		Y TO MOV		
Depth:	3564'	Prog:		D Hrs:		AV ROP:	#DIV/0!	Formation:		UINTA	
DMC:			TMC:				TDC:	\$22,300	CWC:	\$389	,451
Contracto	or: Fron	ntier Rig	6	Mud Co:	M-I DRLG	FLUIDS	TANGIBLE CO	OST	INTANGIBL	E COST	
MW:		#1 PZ-9	3.6 gpm	Bit#:			Conductor:	\$ -	Loc,Cost:	\$	
VIS:		SPM:		Size:			Surf. Csg:	\$ -	Rig Move:	\$	-
PV/YP:		#2 PZ-9	3.6 gpm	Туре:			Int. Csg:	\$ -	Day Rate:	\$	19,800
Gel:		SPM:		MFG:			Prod Csg:	\$ -	Rental Tools:	\$	500
WL:		GPM:		S/N:			Float Equp:	\$ -	Trucking:	\$	
Cake:		Press:		Jets:			Well Head:	\$ -	Water:	\$	
Solids:		AV DC:		TD Out:			TBG/Rods:	\$ -	Fuel:	\$	-
мвт:		AV DP:		Depth In:		<u> </u>	Packers:	\$ -	Mud Logger:	\$	
PH:		JetVel:		FTG:			Tanks:	\$ -	Logging:	\$	
Pf/Mf:		ECD:		Hrs:			Separator:	\$ -	Cement:	\$	
Chlor:		SPR #1 :		FPH:	#DIV/0!		Heater:	\$ -	Bits:	\$	-
Ca:		SPR #2 :		WOB:			Pumping L/T:	\$ -	Mud Motors:	\$	-
Dapp ppb:		Btm.Up:		R-RPM:			Prime Mover:	\$ -	Corrosion:	\$	-
Time Bre	ak Down:		Total D.T.	M-RPM:			Misc:	\$ -	Consultant:	\$	1,000
START	END	TIME			Total Rot. Hrs:		Daily Total:	\$ -	Drilling Mud:	\$	-
06:00	18:00	12:00	RIG DOWN	ON WRF24	I-20-10-17, (GET READY	TO MOVE.		Misc. / Labor:	\$	1,000
								····	Csg. Crew:	\$	•
									Daily Total:	: \$_	22,300
									Cum. Wtr:	\$	_
									Cum. Fuel	\$	-
						DEC	EIVED		Cum. Bits:	\$	_
						TILO				ВНА	
						DEC	0 8 2006				
-					· · · · · · · · · · · · · · · · · · ·	DIV. OF OIL	GAS & MINING	1			
	<u> </u>										
						-					
			WASATC	<u></u>	5161'	1597	•				
***			MESAVE		9341'	5777	1				
			CASTLEC		12016'	8452					
			GRASSY		12401'	8837	•		TOTAL BH	A =	0.00
			SUNNYSI	DE	12551'	8987	•		Survey		
			TD		13166'	9602	•		Survey		
P/U		K#	LITH:						BKG GAS		
S/O		K#	FLARE:				SAS BUSTER	NO	CONN GAS	3	
ROT.		K#	LAST CSG	S. RAN:	8 5/8"	SET @	3564' KB		PEAK GAS		
FUEL	Used:		On Hand:		1.00	Co. Man	Scott Allred		TRIP GAS		
	ONDITION	ICS	ocs	DC	LOC	B/S	G	ODC	RP		
P" # 10					1		1	l	<u> </u>	<u> </u>	



CONFIDENTIAL TIOS RIDE S-20 43-013-33081

AFE # 40158

				<u>. </u>		# 40136		GPS -			
Well:			Permit De	epth: 13250	Prog. Dep		Date:	12/9/2006	Days Sind	e Spud:	RU2
	Operation		<u>. </u>	T	RIG		N WRF24-2	T			
Depth:	3564'	Prog:	TNO	D Hrs:		AV ROP:	#DIV/0!	Formation:		UINTA	
DMC:	- F		TMC:	I1 1 5			TDC:	\$22,300	CWC:		11,751
Contract	or: Fro	ntier Rig		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE (INTANGIE		
MW:	 	#1 PZ-9	3.6 gpm	Bit #:	 	 	Conductor:	\$ -	Loc,Cost:	\$	
VIS:		SPM:		Size:	 	 	Surf. Csg:	\$ -	Rig Move:	\$	-
PV/YP:	-	#2 PZ-9	3.6 gpm	Туре:			Int. Csg:	\$ -	Day Rate:	\$	
Gel:		SPM:	-	MFG:		-	Prod Csg:	\$ -	Rental Tools	: \$	500
WL:		GPM:		S/N:	 	ļ	Float Equp:	\$ -	Trucking:	\$	
Cake:		Press:		Jets:	<u> </u>	<u> </u>	Well Head:	\$ -	Water:	\$	
Solids:	<u> </u>	AV DC:		TD Out:	1		TBG/Rods:	\$ -	Fuel:	\$	
MBT:	 	AV DP:		Depth In:	 		Packers:	\$ -	Mud Logger:		
PH:		JetVei:		FTG:	 		Tanks:	\$	Logging:	\$	******
Pf/Mf:	<u> </u>	ECD:		Hrs:	ļ	<u></u>	Separator:	\$ -	Cement:	\$	
Chlor:	 	SPR #1 :		FPH:	#DIV/0!		Heater:	\$ -	Bits:	\$	
Ca:	<u> </u>	SPR #2 :		WOB:			Pumping L/T:	\$ -	Mud Motors:	\$	
Dapp ppb:	<u> </u>	Btm.Up:	<u> </u>	R-RPM:	 		Prime Mover:	\$ -	Corrosion:	\$	
	ak Down:	T	Total D.T.	M-RPM:		<u> </u>	Misc:	\$ -	Consultant:	\$	
START	END	TIME			Total Rot. Hrs:		Daily Total:	\$ -	Drilling Mud:		
06:00	18:00	12:00				MOVE. TAP	KE DERRICK C	OFF SUB	Misc. / Labor		1,000
			MOVE SC	R HOUSE AN	ID PUMPS.				Csg. Crew:	\$	-
				···	···	····			Daily Tota		22,300
	 						***-		Cum. Wtr:	\$	-
						DEAE	I) /P:P		Cum. Fuel	\$	-
	<u> </u>					RECE	IVED		Cum. Bits:	\$	-
	<u> </u>	 				DEC 1	7009-			BHA	
							4. ··· . J				
					DIV	OF CO. IL	·				
		ļ					 .				
				*							
			WASATC	·	5161'	1597'				_	
			MESAVE		9341'	5777'					***
			CASTLEC	SATE	12016'	8452'					·
			GRASSY		12401'	8837'			TOTAL BH	A =	0.00
			SUNNYSI	DE	12551'	8987'			Survey		
			TD		13166'	9602'			Survey		
P/U			LITH:						BKG GAS		
S/O		K#	FLARE:				SAS BUSTER	NO	CONN GAS	3	
ROT.		K#	LAST CSG	. RAN:	8 5/8"	SET @	3564' KB		PEAK GAS	;	
FUEL	Used:		On Hand:			Co. Man	Scott Allred		TRIP GAS		
3IT # 1 CC	ONDITION	ICS	ocs	DC	LOC	B/S	G	ODC	RP		
										L	



CONFIDENTIAL TIOS RIGE 5-20 43-013-33087

AFE # 40158

					ALL:	# 40158		GPS -			
Well:			Permit De	pth: 13250	Prog. Dep		Date:	12/9/2006	Days Since	e Spud:	RU3
	Operation	т —	<u> </u>	1	RIG	T	N MATS,SU		MPS.		
Depth:	3564'	Prog:	<u></u>	D Hrs:		AV ROP:	#DIV/0!	Formation:	I	UINTA	
DMC:		4	TMC:	T			TDC:	\$22,300	CWC:		4,051
Contract	or: Fro	ntier Rig		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE C	OST	INTANGIB	LE COST	
MW:		#1 PZ-9	3.6 gpm	Bit #:			Conductor:	\$ -	Loc,Cost:	\$	-
VIS:		SPM:		Size:			Surf. Csg:	\$ -	Rig Move:	\$	-
PV/YP:	ļ	#2 PZ-9	3.6 gpm	Туре:	ļ		Int. Csg:	\$ -	Day Rate:	\$	19,800
Gel:		SPM:		MFG:	ļ		Prod Csg:	\$ -	Rental Tools:	\$	500
WL:		GPM:		S/N:			Float Equp:	\$ -	Trucking:	\$	
Cake:		Press:		Jets:			Well Head:	\$ -	Water:	\$	
Solids:	ļ	AV DC:		TD Out:		ļ	TBG/Rods:	\$ -	Fuel:	\$	-
мвт:		AV DP:		Depth In:			Packers:	\$ -	Mud Logger:	\$	
PH:		JetVel:		FTG:			Tanks:	\$ -	Logging:	\$	
Pf/Mf:		ECD:		Hrs:			Separator:	\$ -	Cement:	\$	_
Chlor:		SPR #1 :		FPH:	#DIV/0!		Heater:	\$ -	Bits:	\$	
Ca:		SPR #2 :		wов:			Pumping L/T:	\$ -	Mud Motors:	\$	-
Dapp ppb:		Btm.Up:		R-RPM:			Prime Mover:	\$ -	Corrosion:	\$	_
Time Bre	ak Down:		Total D.T.	M-RPM:			Misc:	\$ -	Consultant:	\$	1,000
START	END	TIME			Total Rot. Hrs:		Daily Total:	\$ -	Drilling Mud:	\$	-
06:00	18:00	12:00	RIG UPS	ET IN MATS,	SUB AND P	UMPS.			Misc. / Labor:	: \$	1,000
									Csg. Crew:	\$	-
									Daily Total	: \$	22,300
									Cum. Wtr:	\$	-
						REC	EIVED		Cum. Fuel	\$	_
									Cum. Bits:	\$	-
						DEC	2006			ВНА	
						W 05 04					
					D	IV. OF OIL,	GAS & MINING				
							·				
			WASATC	H	5161'	1597'					
			MESAVEI	RDE	9341'	5777					
			CASTLEG	SATE	12016'	8452'					
			GRASSY		12401'	8837'	1		TOTAL BH	A =	0.00
			SUNNYSI	DE	12551'	8987'			Survey		
			TD		13166'	9602'			Survey		****
 P/U		K#	LITH:						BKG GAS	·	
S/O			FLARE:				SAS BUSTER	NO	CONN GAS	 S	
ROT.			LAST CSG	. RAN:	8 5/8"	SET @	3564' KB		PEAK GAS		
	Used:		On Hand:			Co. Man	Scott Allred		TRIP GAS		
3IT # 1 CC		ICS	ocs	DC	LOC	B/S	G	ODC	RP		



CONFIDENTIAL TIOS RIPE 5-20 43-013-33089

AFE # 40158

					AFE	# 40156		GPS -			
Well:			Permit De	epth: 13250		th: 13250	Date:	12/11/2006	Days Sine	e Spud:	RU4
Depth:	Operation 3564'				EI DERK		LOOR, SET				<u>), </u>
DMC:	3304	Prog:	TMC:	D Hrs:	-	AV ROP:	#DIV/0!	Formation:	T *****	UINTA	
Contrac	tor: Er	ontier Rig	<u> </u>	Mud Co:	MIDDLO	FLUIDO	TDC:	\$22,300	CWC:		6,351
MW:	, tor. Fr	<u>_</u>		 	M-I DRLG	FLUIDS	TANGIBLE (INTANGIE	BLE COST	
VIS:	+	#1 PZ-9	3.6 gpm	Bit #:			Conductor:	\$ -	Loc,Cost:	\$	-
PV/YP:	-	SPM:		Size:		 	Surf. Csg:	\$ -	Rig Move:	\$	-
Gel:		#2 PZ-9 SPM:	3.6 gpm	Type: MFG:		1	Int. Csg:	<u>\$</u> -	Day Rate:	\$	19,800
WL:							Prod Csg:	\$ -	Rental Tools	· · · · · ·	500
Cake:		GPM:		S/N:			Float Equp:	\$ -	Trucking:	\$	-
	<u> </u>	Press:		Jets:			Well Head:	\$ -	Water:	\$	-
Solids:	 	AV DC:		TD Out:		-	TBG/Rods:	\$ -	Fuel:	\$	-
MBT:	 	AV DP:		Depth In:		 	Packers:	\$ -	Mud Logger		-
PH:		JetVel:		FTG:		1	Tanks:	\$ -	Logging:	\$	
Pf/Mf:	 	ECD:		Hrs:	#DD #61	<u> </u>	Separator:	\$ -	Cement:	\$	-
Chlor:	 	SPR #1 :	 -	FPH:	#DIV/0!	<u> </u>	Heater:	\$ -	Bits:	\$	-
Ca : Dapp ppb:	 	SPR #2 :		WOB: R-RPM:			Pumping L/T:	<u>\$</u> -	Mud Motors:	<u>_</u>	-
	eak Down	Btm.Up:	Total D.T.				Prime Mover:	\$ -	Corrosion:	\$	4 000
START	END	TIME	Total D.T.	M-RPM:	Tadal Dad III.		Misc:	\$ -	Consultant:	\$	1,000
06:00	18:00		DIC LID CI		Total Rot. Hrs:		Daily Total:	\$ -	Drilling Mud:		-
00.00	10.00	12:00	RIG UP SI	ET DERRICK	ON FLOOR	, SET IN SI	RC AND ALL B	ACK YARD.	Misc. / Labor		1,000
	 	 							Csg. Crew:	\$	
	 	 							Daily Tota		22,300
				7					Cum. Wtr:	\$	-
	 	 			"	RECE	VED		Cum. Fuel	\$	-
	†	 				DEC 11	2006		Cum. Bits:	\$	-
	 	 	****			DEC 1 1	2000			BHA	
	<u> </u>				DIV.	OF OIL, GAS	S & MINING			<u> </u>	
	.[<u> </u>		···		· · · · · · · · · · · · · · · · · · ·					
						·		·			
	 				·// .						
-			WASATC	ப	E161!	4507				<u> </u>	
-					5161'	1597	••				
		<u> </u>	MESAVE		9341'	5777					
			CASTLEG GRASSY	AIE	12016'	8452	*			<u>. </u>	
	 		SUNNYSI	DE	12401'	8837'			TOTAL BH	A =	0.00
			<u>SUNNYSI</u> TD	DE	12551'	8987'			Survey		
D/II					13166'	9602'		"""	Survey		
P/U			LITH:	·······					BKG GAS	-	
S/O			FLARE:		0.7/0"		3AS BUSTER	NO	CONN GAS		
ROT.	Heed:		LAST CSG	. KAN:		SET @	3564' KB		PEAK GAS	· · · · · · · · · · · · · · · · · · ·	
FUEL	Used:	ICC	On Hand: OCS	DC	LOC	Co. Man B/S	Scott Alired G	ODC	TRIP GAS		
511 # 1 CC	ONDITION							000	INF		



CONFIDENTIAL TIOS RIDE 5-20 43-013-33089

AFE # 40158

	07				AFE #	40158		GPS -			
Well:	WRF 32-2	20-10-17	Permit Dep	oth: 13250	Prog. Dept	h: 13250	Date:	12/13/2006	Days Since	Spud:	RU6
Current	Operations	s:					RIG UP				
Depth:	3564'	Prog:		D Hrs:		AV ROP:	#DIV/0!	Formation:	T	UINTA	-
DMC:			TMC:		·		TDC:	\$35,661	CWC:	\$51	4,312
Contract	tor: Nab	ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE C	OST	INTANGIBL	E COST	
MW:		#1 PZ-9	3.6 gpm	Bit #:			Conductor:	\$ -	Loc,Cost:	\$	-
VIS:		SPM:		Size:			Surf. Csg:	\$	Rig Move:	\$	-
PV/YP:		#2 PZ-9	3.6 gpm	Туре:			Int. Csg:	\$ -	Day Rate:	\$	19,800
Gel:		SPM:		MFG:			Prod Csg:	\$ -	Rental Tools:	\$	500
WL:		GPM:		S/N:			Float Equp:	\$ -	Trucking:	\$	
Cake:		Press:		Jets:			Well Head:	\$ -	Water:	\$	-
Solids:		AV DC:		TD Out:			TBG/Rods:	\$ -	Fuel:	\$	13,361
мвт:		AV DP:		Depth In:			Packers:	\$ -	Mud Logger:	\$	
PH:		JetVel:		FTG:			Tanks:	\$ -	Logging:	\$	-
Pf/Mf:		ECD:		Hrs:			Separator:	\$ -	Cement:	\$	
Chlor:		SPR #1 :		FPH:	#DIV/0!		Heater:	\$ -	Bits:	\$	
Ca:		SPR #2 :		WOB:			Pumping L/T:	\$ -	Mud Motors:	\$	
Dapp ppb:		Btm.Up:		R-RPM:	<u></u>	ļ	Prime Mover:	\$ -	Corrosion:	\$	
Time Bro	eak Down:		Total D.T.	M-RPM:			Misc:	\$ -	Consultant:	\$	1,000
START	END	TIME		1	Total Rot. Hrs:		Daily Total:	\$ -	Drilling Mud:	\$	-
06:00	18:00	12:00	WORK ON	SCR HOUSE	E AND FINIS	SH MUD TA	NKS		Misc. / Labor:	\$	1,000
									Csg. Crew:	\$	
					,,, - · · · · · · · · · · · · · · · · ·			4.5	Daily Total:	\$	35,661
		<u> </u>		····					Cum. Wtr:	\$	_
						<u>3</u> 1	CEIVE	-	Cum. Fuel	\$	
			<u> </u>			11	CLIVE	<u> </u>	Cum. Bits:	\$	
			*****		···	D	EC 1 3 2000	<u> </u>		BHA	
							SAS & M	INING			
			WASATC	H	5161'	1597'				ļ ļ.	
			MESAVER	RDE	9341'	5777'					
			CASTLEC	SATE	12016'	8452'		**.*			
			GRASSY		12401'	8837'			TOTAL BH	A =	0.00
			SUNNYSI	DE	12551'	8987'			Survey		,
			TD		13166'	9602'			Survey		
P/U		K#	LITH:						BKG GAS		
S/O		K#	FLARE:				SAS BUSTER	NO_	CONN GAS	<u> </u>	
ROT.		K#	LAST CSG	. RAN:	8 5/8"	SET @	3564' KB		PEAK GAS	·	
FUEL	Used:		On Hand:			Co. Man	Scott Allred		TRIP GAS		
BIT # 1 (CONDITION	ICS	ocs	DC	LOC	B/S	G	ODC	RP	. .	
l		i .	1	I	1	I	l	l			



CONFIDENTIAL TIOS RITE 5-20 43-013-33087

AFE # 40158

	ill: WRF 32-20-10-17 Permit Depth: 13250										
Well:			Permit De	oth: 13250	Prog. Dept	h: 13250	Date:	12/14/2006	Days Since	Spud:	RU7
	Operations	·	<u> </u>			I	RIG UP	<u> </u>			
Depth:	3564'	Prog:		D Hrs:		AV ROP:	#DIV/0!	Formation:		UINTA	20.004
DMC:			TMC:				TDC:	\$25,522	CWC:		39,834
Contract	or: Nab	ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE C		INTANGIBL		
MW:		#1 PZ-9	3.6 gpm	Bit #:			Conductor:	<u>\$ -</u>	Loc,Cost:		
VIS:		SPM:		Size:			Surf. Csg:	\$ -	Rig Move:	9	
PV/YP:		#2 PZ-9	3.6 gpm	Туре:			Int. Csg:	\$ -	Day Rate:	9	
Gel:		SPM:		MFG:	<u></u>		Prod Csg:	\$ -	Rental Tools:		
WL:		GPM:		S/N:			Float Equp:	\$ -	Trucking:		
Cake:		Press:		Jets:		ļ <u>.</u>	Well Head:	<u> </u>	Water:		
Solids:		AV DC:		TD Out:			TBG/Rods:	\$ -	Fuel:		
мвт:		AV DP:		Depth In:			Packers:	\$ -	Mud Logger:		-
PH:		JetVel:		FTG:			Tanks:	\$ -	Logging:		<u> </u>
Pf/Mf:		ECD:		Hrs:			Separator:	\$ -	Cement:		-
Chlor:		SPR #1 :		FPH:	#DIV/0!		Heater:	\$ -	Bits:		-
Ca:		SPR #2 :		WOB:			Pumping L/T:	\$ -	Mud Motors:		}
Dapp ppb:		Btm.Up:		R-RPM:			Prime Mover:	\$ -	Corrosion:		-
Time Bre	ak Down:		Total D.T.	M-RPM:			Misc:	\$ -	Consultant:		1,000
START	END	TIME	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1	Total Rot. Hrs:		Daily Total:	\$ -	Drilling Mud:		-
06:00	18:00	12:00	RIG UP FL	.00R, H00K	UP LINES,	FINISH WE	LDING UP MU	JD TANKS,	Misc. / Labor:		1,000
			SET IN CE	NTRIFUGE, I	PICK UP KE	LLY.			Csg. Crew:		-
									Daily Total:		25,522
									Cum. Wtr:		\$ <u> </u>
									Cum. Fuel		5 -
						H	ECEIVE	:U	Cum. Bits:		\$ -
							DEC 1 4 200	<u>r</u>		ВНА	
								,,,			
						U ye	FÖIL, GAS & N	/INING			
									<u> </u>		
				-					<u> </u>		
			WASATC	Н	5161'	1597	·				
			MESAVE	RDE	9341'	5777	1				
			CASTLEC	SATE	12016'	8452					
· · · ·			GRASSY		12401'	8837	'		TOTAL BH	\ =	0.00
	1		SUNNYS	DE	12551'	8987	1		Survey		
			TD		13166'	9602	,		Survey		
P/U	-	K#	LITH:						BKG GAS		
s/o	-	K#	FLARE:				SAS BUSTER	R NO	CONN GAS		
ROT.		K#	LAST CSC	6. RAN:	8 5/8"	SET @	3564' KB		PEAK GAS		
FUEL	Used:		On Hand:			Co. Man	Scott Allred		TRIP GAS		
	ONDITION	ICS	ocs	DC	LOC	B/S	G	ODC	RP		
٠٠ <i>٣</i> ٠٠		1					<u> </u>				



CONFIDENTIAL TIOS RINE 5-20 43-013-32087 GPS- N. 39° 55' 53.8" W. 110° 01' 44.2"

AFE # 40158

Well:	WRF 32-2	20-10-17	Permit De	pth: 13250	Prog. Dept			12/15/2006	Days Since	Spud:	RU8
Current C	perations						CK UP PII			19	
Depth:	3564'	Prog:	T	D Hrs:		AV ROP:	#DIV/0!	Formation:	,	UINTA	
DMC:			TMC:				TDC:	\$26,522	CWC:		566,356
Contract	or: Nab	ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE C	OST	INTANGIBL	E COST	
MW:		#1 PZ-9	3.6 gpm	Bit #:	11		Conductor:	\$ -	Loc,Cost:		<u> - </u>
VIS:		SPM:		Size:	7 7/8		Surf. Csg:	\$ -	Rig Move:		\$ -
PV/YP:		#2 PZ-9	3.6 gpm	Туре:	DSR16M-C1		Int. Csg:	\$ -	Day Rate:		\$ 19,800
Gel:		SPM:		MFG:	HYC		Prod Csg:	\$ -	Rental Tools:		\$ 2,000
WL:		GPM:		S/N:	115482		Float Equp:	\$ -	Trucking:		\$ 2,722
Cake:		Press:		Jets:	6X16		Well Head:	\$ -	Water:		<u> - </u>
Solids:		AV DC:		TD Out:	:		TBG/Rods:	\$ -	Fuel:		\$ -
мвт:		AV DP:		Depth In:	3564		Packers:	\$ -	Mud Logger:		\$ -
PH:		JetVel:		FTG:			Tanks:	\$ -	Logging:		\$ -
Pf/Mf:		ECD:		Hrs:			Separator:	\$ -	Cement:		\$
Chlor:		SPR #1 :		FPH:	#DIV/0!		Heater:	\$ -	Bits:		\$ -
Ca:		SPR #2 :		WOB:			Pumping L/T:	\$ -	Mud Motors:		\$ <u>-</u>
Dapp ppb:		Btm.Up:		R-RPM:			Prime Mover:	\$ -	Corrosion:	\$ -	
Time Bre	ak Down:		Total D.T.	M-RPM:			Misc:	\$ -	Consultant:	\$ 1,000	
START	END	TIME			Total Rot. Hrs:		Daily Total:	\$ -	Drilling Mud:		\$ -
06:00	12:00	6:00	RIG UP FL	.OOR					Misc. / Labor:		\$ 1,000
12:00	20:30	8:30	RU Quick	Гest - Test Bli	nd Rams, P	ipe Rams,U _l	pper & Lower k	Celly,	Csg. Crew:		\$ -
20:30			Floor Valve	es, Kill Line &	Choke Line	Valve, Chol	ke Manifold & \	/alves	Daily Total:		\$ 26,522
0			ALL To 50	00psi High &	250psi Low	- Test Anuila	arBOP To 2500)psi	Cum. Wtr:		\$
0			Test Casin	g To 1500psi	- ALL OK				Cum. Fuel		\$ -
20:30	22:00	1:30	RIG UP L	AY DOWN C	REW AND	SAFETY	MEETING		Cum. Bits:		\$ -
22:00	02:30	4:30	PICK UP	BHA						ВНА	
02:30	03:30	1:00	LEVEL DE	RRICK		R	ECEIVE	n	BIT	7 7/8	1.00
03:30	06:00	2:30	PICK UP D			11	HOLIVE	-	N/B STB		4.51
	7.7					D	EC 1 5 200	6	SHOCK SUB		10.75
									1 - DC		29.47
					****	7 J	· OIL. GAS & M	INING	IBS		6.57
			WASATC	Н	5161'	1597'			1-DC		28.65
			MESAVEI		9341'	5777'			IBS		6.56
			CASTLEC		12016'	8452'			19-DC's		568.13
			GRASSY		12401'	8837'		-,- "	TOTAL BH	A =	655.64
		·	SUNNYSI		12551'	8987'			Survey		
			TD	· · ·	13166'	9602'			Survey		
P/U	86	K#	LITH:						BKG GAS		
S/O	84	K#	FLARE:				3AS BUSTER	NO	CONN GAS	<u> </u>	
ROT.	85	K#	LAST CSG	B. RAN:	8 5/8"	SET @	3564' KB	***	PEAK GAS		
FUEL	Used: On Hand: Co. Man Scott Alired TRIP GAS										
					LOC	B/S	G	ODC	RP		
BIT # 1 CONDITION ICS OCS DC LOC B/S G CDC KF											



CONFIDENTIAL TOSAIDES-20 43-013-33087

AFE # 40158

Well:			Permit De	oth: 13250	Prog. Dept	h: 13250	Date:	12/16/2006	Days Since	Spud:	1
	Operations				45.4/0	AV DOD:	т т	Farmations		UINTA	
Depth:		Prog:		D Hrs:		AV ROP:	31.8 TDC:	Formation: \$43,069	CWC:		615,226
DMC:	\$6,7		TMC:		\$6,719	EL LUDO			INTANGIBL		
Contract	1	ors 270	*********	Mud Co:	M-I DRLG	FLUIDS	TANGIBLE CO				
MW:		#1 PZ-9		Bit #:	1 7.7/0		Conductor:	\$ -	Loc,Cost:		\$ <u>-</u> \$ -
VIS:		SPM:	115	Size:	7 7/8		Surf. Csg:	\$ -	Rig Move:		
PV/YP:		#2 PZ-9	3.6 gpm	Туре:	DSR16M-C1		Int. Csg:	\$ -	Day Rate:		\$ 22,000
Gel:	1/1/1	SPM:		MFG:	HYC		Prod Csg:	\$ -	Rental Tools:		\$ 2,000
WL:		GPM:	424	S/N:	115482		Float Equp:	\$ -	Trucking:		<u>\$</u> -
Cake:		Press:	640	Jets:	6X16		Well Head:	<u>\$</u> -	Water:		\$ -
Solids:	1	AV DC:	400	TD Out:			TBG/Rods:	\$ -	Fuel:		\$ -
мвт:		AV DP:	244	Depth In:	3564		Packers:	\$ -	Mud Logger:		\$ 850
PH:	10.1	JetVel:	115	FTG:	493		Tanks:	\$ -	Logging:		\$ -
Pf/Mf:	2.8/10.0	ECD:	8.7	Hrs:	15 1/2		Separator:	\$ -	Cement:		\$ -
Chlor:	4500	SPR #1 :		FPH:	31.8		Heater:	\$ -	Bits:		\$ 9,500
Ca:	100	SPR #2 :		WOB:	15/30		Pumping L/T:	\$ -	Mud Motors:		\$ -
Dapp ppb:		Btm.Up:	13	R-RPM:	85/95		Prime Mover:	\$ -	Corrosion:		\$ -
Time Bro	ak Down:		Total D.T.	M-RPM:	N/A		Misc:	\$ -	Consultant:		\$ 1,000
START	END	TIME			Total Rot. Hrs:	15.5	Daily Total:	\$ -	Drilling Mud:		\$ 6,719
06:00	06:30	0:30	PICK UP D	RLG PIPE					Misc. / Labor:		\$ 1,000
06:30	07:00	0:30	RIG DOW	N BHA CREW	ı				Csg. Crew:		\$ -
07:00	08:30	1:30	TORQUE I	UP KELLY AN	ND TEST PL	JMP LINES	TO 2000 PSI		Daily Total	•	\$ 43,069
08:30	13:00	4:30	DRLG CE	MENT 3450 T	O 3564				Cum. Wtr:		\$ -
13:00	13:30	0:30				:00 HRS.	ON 12/15/20	06	Cum. Fuel		\$ -
13:30	14:00	0:30	RIG SER						Cum. Bits:		\$ -
14:00	14:30	0:30	SURVEY	@ 3550 2°						ВНА	
14:30	06:00	15:30		82' TO 4075	(493'@3	1.8 FPH)			ВІТ	7 7/8	1.00
11.00	00.00	10.00	550 00		() = = 0 ::		RECEIV	/FD	N/B STB		4.51
	1								SHOCK SUB	3	10.75
	1					·	DEC 1 g	2006	1 - DC		29.47
									IBS		6.57
			WASATC		5161'	4668	, का कादा GAS	& MINING	1-DC		28.65
<u> </u>			MESAVE		9341'	8848			IBS		6.56
<u> </u>	<u> </u>		CASTLE		12016'	11523			19-DC's		568.13
			GRASSY		12401'	11908			TOTAL BH	<u> </u>	655.64
		<u> </u>	SUNNYS		12551'	12058			Survey	2°	3550'
			TD		13166'	12673			Survey	 	
<u></u>		14.4	<u> </u>	E00/ CC E0		12073			BKG GAS	<u> </u>	25
P/U	118	K#	LITH:	50% SS, 50	% SΠ		SAC DIICTED	NO	CONN GAS		25
S/O	111	K#	FLARE:		0.5/0"	CET 🖨	SAS BUSTER	NO			200
ROT.	115	K#	LAST CSC		8 5/8"	SET @	3564' KB		PEAK GAS		200
FUEL	Used:	1335 ICS	On Hand:	86 DC	LOC	Co. Man B/S	Scott Allred G	ODC	RP RP	T	
BIT # 1 (CONDITION	100	1 003	50		5,0					



CONFIDENTIAL TIOS RIDES-20 43-013-33089

AFE # 40158

43-0/3-33087 GPS-N.39°55'53.8" W.110°01'44.2"

						40158		GPS - N. 39				
Well:	WRF 32-2	20-10-17	Permit De	oth: 13250	Prog. Dept	h: 13250	Date:	12/17/2006	Days Since	Spud:		2
Current	Operations	3 :					TRIPPING	I				
Depth:	4788'	Prog:	713	D Hrs:	22 1/2	AV ROP:	31.7	Formation:	 	UINT		
DMC:	\$4,8	361	TMC:		\$11,580		TDC:	\$31,711	CWC:		646,93	37
Contract	tor: Nab	ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE C	OST	INTANGIBL	E COST	•	
MW:	8.4	#1 PZ-9	3.6 gpm	Bit #:	11		Conductor:	\$ -	Loc,Cost:		\$	-
VIS:	26	SPM:	90	Size:	7 7/8		Surf. Csg:	\$ -	Rig Move:		\$	
PV/YP:	1/0	#2 PZ-9	3.6 gpm	Туре:	DSR16M-C1		Int. Csg:	\$ -	Day Rate:		•	22,000
Gel:	1/1/1	SPM:	90	MFG:	HYC		Prod Csg:	\$ -	Rental Tools:		\$	2,000
WL:		GPM:	663	S/N:	115482		Float Equp:	\$ -	Trucking:		\$	
Cake:		Press:	1750	Jets:	6X16		Well Head:	\$ -	Water:		\$	
Solids:	1	AV DC:	625	TD Out:			TBG/Rods:	\$ -	Fuel:		\$	
MBT:		AV DP:	338	Depth In:	3564		Packers:	\$ -	Mud Logger:		\$	850
PH:	10.1	JetVel:	181	FTG:	1206		Tanks:	\$ -	Logging:		\$	
Pf/Mf:	2.0/10.0	ECD:	8.9	Hrs:	38		Separator:	\$ -	Cement:		\$	-
Chlor:	4500	SPR #1 :		FPH:	31.7		Heater:	\$ -	Bits:		\$	-
Ca:	100	SPR #2 :		wов:	15/30		Pumping L/T:	\$ -	Mud Motors:		\$	-
Dapp ppb:	5	Btm.Up:	11	R-RPM:	85/110		Prime Mover:	\$ -	Corrosion:		\$	-
Time Bre	eak Down:		Total D.T.	M-RPM:	N/A		Misc:	\$ -	Consultant:		\$	1,000
START	END	TIME			Total Rot. Hrs:	38.0	Daily Total:	\$ -	Drilling Mud:		\$	4,861
06:00	11:00	5:00	DRLG - 4	075 ' TO 4	251 ' (176'	@ 35 FP	PH)		Misc. / Labor:		\$	1,000
11:00	11:30	0:30	WORK ON	RIG WATC	H SENCOR				Csg. Crew:		\$	-
11:30	18:00	6:30	DRLG - 4	1051' TO 45	507 ' (253'	@ 39.3 F	PH)		Daily Total:		\$	31,711
18:00	18:30	0:30	SURVEY @	2) 4507 3°			V		Cum. Wtr:		\$	
18:30	05:30	11:00	DRLG - 4	1507' TO 47	795 ' (288'	@ 26.1 F	PH)		Cum. Fuel		\$	-
05:30	06:00	0:30	тоон					··=	Cum. Bits:		\$	9,500
						KE	CEIVED)		ВНА	<u> </u>	
						. DE	C 1 9 2006		віт	7 7/8		1.00
							2000		N/B STB			4.51
							- MIN	ING	SHOCK SUB			10.75
									1 - DC			29.47
									IBS			6.57
			WASATC	Н	5161'	373	· · · · · · · · · · · · · · · · · · ·		1-DC			28.65
			MESAVE	RDE	9341'	4553	1		IBS			6.56
			CASTLEC	SATE	12016'	7228			19-DC's			568.13
			GRASSY		12401'	7613			TOTAL BH	A =		655.64
			SUNNYSI	DE	12551'	7763	1		Survey	2°	3	550'
			TD		13166'	8378	1		Survey			
P/U	126	K#	LITH:	30% SS, 70) % SH				BKG GAS			15
S/O	118	K#	FLARE:				SAS BUSTER	NO	CONN GAS	3		15
ROT.	123	K#	LAST CSG		8 5/8"	SET @	3564' KB		PEAK GAS	<u> </u>	2	250
FUEL	Used:	2309	On Hand:		291	Co. Man	Scott Allred		TRIP GAS			
-	CONDITION	ICS	ocs	DC	LOC	B/S	G	ODC	RP			
r'' " ' `		1	1	1	L	l		L	I			



CONFIDENTIAL TIOS RIVE 5-20 43-013-33087

AFE # 40158

					/ 11 = "	40136		GF5 - N. 38		71 77.2	
Well:	WRF 32-2	20-10-17	Permit Dep	th: 13250	Prog. Dept	h: 13166	Date:	12/18/2006	Days Since	Spud:	3
Current C	Operations	: :			-		DRLG				
Depth:	5694'	Prog:	899	D Hrs:	17 1/2	AV ROP:	51.4	Formation:		WASATC	
DMC:	\$4,8	361	тмс:		\$16,441		TDC:	\$41,211	CWC:		93,279
Contract	or: Nab	ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE C	OST	INTANGIBL		
MW:	8.4	#1 PZ-9	3.6 gpm	Bit#:	1	2	Conductor:	\$ -	Loc,Cost:	\$	
VIS:	26	SPM:	90	Size:	7 7/8	7 7/8	Surf. Csg:	<u> </u>	Rig Move:	\$	
PV/YP:	1/0	#2 PZ-9	3.6 gpm	Туре:	DSR16M-C1	DSX 210	Int. Csg:	\$ -	Day Rate:	\$	
Gel:	1/1/1	SPM:	90	MFG:	HYC	HYC	Prod Csg:	\$ -	Rental Tools:	\$	
WL:		GPM:	663	S/N:	115482	105842	Float Equp:	\$ -	Trucking:	\$	
Cake:		Press:	1750	Jets:	6X16	5-18/3-14	Well Head:	<u> </u>	Water:	\$	
Solids:	1	AV DC:	625	TD Out:	4795		TBG/Rods:	\$ -	Fuel:		
MBT:		AV DP:	338	Depth In:	3564	4795	Packers:	\$ -	Mud Logger:		850
PH:	10.1	JetVel:	181	FTG:	1392	899	Tanks:	\$ -	Logging:		
Pf/Mf:	2.0/10.0	ECD:	8.9	Hrs:	33	17.5	Separator:	\$ -	Cement:		
Chlor:	4500	SPR #1 :		FPH:	42.2	51.4	Heater:	\$ -	Bits:		9,500
Ca:	100	SPR #2 :		wов:	15/30	15/30	Pumping L/T:	\$ -	Mud Motors:	\$	
Dapp ppb:	5	Btm.Up:	11	R-RPM:	80/115	115	Prime Mover:	\$ -	Corrosion:	\$	
Time Bre	ak Down:		Total D.T.	M-RPM:	N/A	N/A	Misc:	<u> </u>	Consultant:		
START	END	TIME			Total Rot. Hrs:	55.5	Daily Total:	\$ -	Drilling Mud:	\$	
06:00	08:00	2:00	CONT. TO	ОН					Misc. / Labor:		1,000
08:00	08:30	0:30	CHANGE (OUT BIT AND	FLOAT				Csg. Crew:		}
08:30	10:30	2:00	TIH						Daily Total:	:	41,211
10:30	11:30	1:00	WASH AN	D REAM 476	0' TO 4795'	(NO FILL,	FAN BOTTOM	l)	Cum. Wtr:		3,631
11:30	17:00	5:30	DRLG - 4	795' TO 51	44 ' (349'	@ 63.4 F	PH)		Cum. Fuel		13,361
17:00	17:30	0:30	RIG SERV	ICE					Cum. Bits:	(19,000
17:30	02:00	8:30	DRLG - 5	5144' TO 55	28 ' (384'	@ 45.1 FI	PH)			ВНА	
02:00	02:30	0:30	SURVEY						BIT	7 7/8	1.00
02:30	06:00	3:30	DRLG - 5	5548' TO 56	94 ' (146'	@ 41.7 Fl	PH) REC	EIVED	N/B STB		4.51
									SHOCK SUB		10.75
	<u> </u>						UEC 1	9 2006	1 - DC		29.47
							<u> </u>	/ ^ 	IBS		6.57
			WASATC	Н	5161'	0		AS & MINING	1-DC		28.65
			MESAVE	RDE	9341'	3647			IBS		6.56
			CASTLEC	BATE	12016'	6322			19-DC's		568.13
			GRASSY		12401'	6707	•		TOTAL BH	A =	655.64
			SUNNYSI	DE	12551'	6857	1		Survey	3°	4507'
			TD		13166'	7472	•		Survey	2°	5528'
P/U	142	K#	LITH:	30% SS, 70	% SH				BKG GAS		15
S/O	135	K#	FLARE:				SAS BUSTER	NO_	CONN GAS	<u> </u>	15
ROT.	138	K#	LAST CSC	S. RAN:	8 5/8"	SET @	3564' KB		PEAK GAS		750
FUEL	Used:	2123	On Hand:		68	Co. Man	Scott Allred		TRIP GAS		
	ONDITION	ICS	ocs	DC	LOC	B/S	G	ODC	RP		ROM SHOE
P" " 1 C		8	8	JD	N/A	X		WT	PR	CENTE	R RING OUT



CONFIDENTIAL TOS RIPE 5-20 43-013-33087

AFE # 40158

						40156		GP3 - N. 38				
Well:			Permit Dep	oth: 13250	Prog. Dept	h: 13166	Date:	12/19/2006	Days Since	Spud:		4
Current C	Operations				<u></u>		DRLG					
Depth:	6495'	Prog:	T	D Hrs:		AV ROP:	34.8	Formation:		WASAT		
DMC:	\$2,6	614	TMC:		\$19,055		TDC:	\$54,066	CWC:		747,3	145
Contract	or: Nab	ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE C	OST	INTANGIBL			
MW:	8.4	#1 PZ-9	3.6 gpm	Bit #:	2		Conductor:	·	Loc,Cost:		\$	-
VIS:	26	SPM:	115	Size:	7 7/8		Surf. Csg:	·	Rig Move:		\$	-
PV/YP:	1/0	#2 PZ-9	3.6 gpm	Туре:	DSX210		Int. Csg:	\$ -	Day Rate:		\$	22,000
Gel:	1/1/1	SPM:	0	MFG:	HYC		Prod Csg:		Rental Tools:		\$	2,000
WL:		GPM:	420	S/N:	105842		Float Equp:	\$ -	Trucking:		\$	
Cake:		Press:	767	Jets:	5-18/3-14		Well Head:	\$ -	Water:		\$	
Solids:	1	AV DC:	396	TD Out:	0		TBG/Rods:	\$ -	Fuel:		\$	23,402
мвт:		AV DP:	214	Depth In:	4765		Packers:	\$ -	Mud Logger:		\$	850
PH:	9.0	JetVel:	114	FTG:	1730		Tanks:	<u> </u>	Logging:		\$	
Pf/Mf:	1.8/9.6	ECD:	8.63	Hrs:	40 1/2		Separator:	\$	Cement:		\$	<u> </u>
Chlor:	4500	SPR #1 :		FPH:	42.7		Heater:	\$ -	Bits:		\$	-
Ca:	100	SPR #2 :		WOB:	15/20		Pumping L/T:	\$ -	Mud Motors:		\$	
Dapp ppb:	5	Btm.Up:	24	R-RPM:	90/115		Prime Mover:	<u> </u>	Corrosion:		\$	-
Time Bre	ak Down:		Total D.T.	M-RPM:	N/A		Misc:	\$ -	Consultant:		\$	1,000
START	END	TIME			Total Rot. Hrs:	101.5	Daily Total:	\$ -	Drilling Mud:		\$	2,614
06:00	13:00	7:00	DRLG F/ 5	694 - 6006		(312`(@44.5FPH)		Misc. / Labor:		\$	2,200
13:00	14:00	1:00	RIG SERV	ICE AND LEV	/EL DERRIC	CK			Csg. Crew:		\$	-
14:00	06:00	16:00	DRLG F/ 6	006 - 6495		(489	`@30.5FPH)		Daily Total:		\$	54,066
06:00									Cum. Wtr:		\$	3,631
0									Cum. Fuel		\$	36,763
0							<u> </u>		Cum. Bits:		\$	19,000
0						HE	CEIVED	<u> </u>		BHA	١	
0						DE	C 1 9 2006		BIT	7 7/8		1.00
0									N/B STB			4.51
						()F ()	L. GAS & MIN	ING	SHOCK SUB	3		10.75
									1 - DC			29.47
									IBS			6.57
			WASATC	H	5161'	0	· · · · · · · · · · · · · · · · · · ·		1-DC			28.65
			MESAVE	RDE	9341'	2846			IBS			6.56
			CASTLEG	BATE	12016'	5521			19-DC's			568.13
			GRASSY		12401'	5906	•		TOTAL BH	A =		655.64
			SUNNYSI	DE	12551'	6056	1 		Survey	3°		4507'
			TD		13166'	6671	BOILER	₹ 24	Survey	2°		5528'
P/U	165	K#	LITH:	30% SS, 70	% SH				BKG GAS			10
S/O	145	K#	FLARE:				SAS BUSTER	R NO	CONN GAS	3		N/A
ROT.	155	K#	LAST CSG	B. RAN:	8 5/8"	SET@	3564' KB		PEAK GAS	<u> </u>		N/A
FUEL	Used:	1787			200	Co. Man	Rick Felker		TRIP GAS			
	ONDITION	100	ocs	DC	LOC	B/S	G	ODC	RP			
T'' " ' \		1	i	1	l	L		I		Ī		



CONFIDENTIAL T105-R17E 5-20 43-013-33087

AFE # 40158

					AFE # 40158			GPS - N. 39° 55' 53.8" W. 110° 01' 44.2				
			Permit De	oth: 13250	Prog. Dept	h: 13166	Date: DRLG	12/20/2006	5			
	perations		4007	D. Herri	22.4/2	AV ROP:	42.9	Formation:		WASATO	:H	
Depth:		Prog:	1007 TMC:	D Hrs:	23 1/2 \$21,669	AV KUP:	TDC:	\$164,520	cwc:		011,865	
DMC:	\$2,6			Marid Con				ANGIBLE COST		INTANGIBLE COST		
Contracto	1	ors 270		Mud Co:		FLUIDS					5 -	
MW:			3.6 gpm	Bit #:	2		Conductor:	\$ - •	Loc,Cost:		129,872	
VIS:		SPM:	114	Size:	7 7/8		Surf. Csg:	\$ -	Rig Move:			
PV/YP:		#2 PZ-9		Туре:	DSX210		Int. Csg:	\$ -	Day Rate:		22,000	
Gel:	1/1/1	SPM:	0	MFG:	HYC		Prod Csg:	\$ -	Rental Tools:		\$ 2,000	
WL:		GPM:	420	S/N:	105842		Float Equp:	<u>\$ -</u>	Trucking:		3,200	
Cake:		Press:	767	Jets:	5-18/3-14		Well Head:	\$ -	Water:		\$ 4,080	
Solids:	1	AV DC:	396	TD Out:	0		TBG/Rods:	\$ -	Fuel:		\$ <u> </u>	
MBT:		AV DP:	214	Depth In:	4765		Packers:	\$ -	Mud Logger:		\$ 850	
PH :	9.0	JetVel:	114	FTG:	2727		Tanks:	\$ -	Logging:		\$ -	
Pf/Mf:	1.4/8.8	ECD:	8.67	Hrs:	64		Separator:	\$ -	Cement:		\$ -	
Chlor:	4500	SPR #1 :		FPH:	42.6		Heater:	\$ -	Bits:	;	<u>-</u>	
Ca:	100	SPR #2 :	!	WOB:	18/25		Pumping L/T:	\$ -	Mud Motors:		<u> </u>	
Dapp ppb:	5	Btm.Up:	28	R-RPM:	90/115		Prime Mover:	\$ -	Corrosion:		\$ -	
Time Brea	ak Down:		Total D.T.	M-RPM:	N/A		Misc:	\$ -	Consultant:	,	\$ 1,000	
START	END	TIME			Total Rot. Hrs:	125.0	Daily Total:	\$ -	Drilling Mud:		\$ 706	
06:00	07:30	1:30	DRLG F/64	195 - 6548		(53`@35	3.3FPH)		Misc. / Labor:		\$ 812	
07:30	08:00		SURVEY						Csg. Crew:	,	\$ <u>-</u>	
08:00	06:00		DRLG F/ 6	548 - 7502		(954`@4	3FPH)		Daily Total	:	\$ 164,520	
06:00		-					· · · · · · · · · · · · · · · · · · ·		Cum. Wtr:		\$ 7,711	
0					······································				Cum. Fuel		\$ 36,763	
0								***	Cum. Bits:		\$ 19,000	
0				·						ВНА		
						-4"			BIT	7 7/8	1.00	
0									N/B STB		4.51	
0									SHOCK SUE		10.75	
	<u> </u>								1 - DC		29.47	
						***			IBS		6.57	
			MACATO	11	5161'	0			1-DC		28.65	
			WASATC						IBS		6.56	
	<u> </u>		MESAVE		9341'	1839					568.13	
			CASTLEC		12016'	4514			19-DC's TOTAL BH		655.64	
			GRASSY		12401'	4899				1 1/2	6516'	
			SUNNYS	IDE	12551'	5049		2/	Survey	1 1/2	0310	
			TD		13166'	5664		. 22	Survey	<u>ı</u>	c	
P/U	175	K#	LITH:	20% SS, 80	% SH- PRE	D RED SHA			BKG GAS		5	
S/O	165	K#	FLARE:				SAS BUSTER	NO NO	CONN GAS		N/A	
ROT.	170	K#	LAST CSC		8 5/8"	SET @	3564' KB		PEAK GAS	<u> </u>	N/A	
FUEL	Used:	1690	On Hand:		510	Co. Man	Rick Felker	T ODG	TRIP GAS	\mathbb{R}^{k}	CEIVE	
DIT # 4 C	ONDITION	ICS	ocs	DC	LOC	B/S	G	ODC	RP	n	EC 2 0 2000	



CONFIDENTIAL T105 R19E S-26 43-013-33089 GPS- N. 39°55'53.8" W. 110°01'44.2"

AFE # 40158

						7 40 130		GF3 - N. 3	3 33 33.0	VV. 110	<u> </u>	4
Well:	WRF 32- Operation		Permit De	pth: 13250	Prog. Dept	th: 13166	Date:	12/21/2006	Days Since	e Spud:	6	;
Depth:	8078'	Prog:	576	D Hrs:	23	AV ROP:	25.0	Formation:		WASAT	СП	
DMC:		084	TMC:	פווו שן.	\$22,753	INV RUP:	TDC:	\$26,934	cwc:		СН 938,799	
Contract		bors 270	1,1110.	Mud Co: M-I DRLG FLUIDS		TANGIBLE COST		INTANGIBLE COST			,	
MW:	8.4	I	3.6 gpm	Bit #:	2	. 20103	Conductor:	\$ -		LL 003	\$	
VIS:	26	SPM:	114	Size:	7 7/8		Surf. Csg:	 	Loc,Cost: Rig Move:		<u>Φ</u> \$	
PV/YP:	1/0	#2 PZ-9	-		DSX210			\$ -			-	2 000
Gel:	1/1/1	SPM:	3.6 gpm 0	Type: MFG:	HYC		Int. Csg: Prod Csg:	Ф - \$ -	Day Rate: Rental Tools:	· ————	· · · · · · · · · · · · · · · · · · ·	2,000 2,000
WL:	17.17.	GPM:	420	S/N:	105842					<u> </u>	\$ \$	2,000
Cake:		Press:	843	Jets:	5-18/3-14		Float Equp:	\$ - \$ -	Trucking:		» \$	
	1		396		0		Well Head:	\$ -	Water:			
Solids: MBT:	<u> </u>	AV DC:	214	TD Out:	4765		TBG/Rods:		Fuel:		\$	950
	9.1		114	Depth In:			Packers:		Mud Logger:		\$	850
PH:	†	JetVel:	8.61	FTG:	3313		Tanks:	\$ - ¢	Logging:		\$	-
Pf/Mf:	1.3/9.7	ECD:	0.01	Hrs:	87		Separator:	<u>\$ -</u>	Cement:		\$	-
Chlor:	4000	SPR #1 :		FPH:	38.1		Heater:	<u>\$ -</u>	Bits:		\$	-
Ca: Dapp ppb:	100 5.1	SPR #2 : Btm.Up:	32	WOB: R-RPM:	18/25 80/95		Pumping L/T: Prime Mover:	\$ - \$ -	Mud Motors:		<u>\$</u> \$	-
	ak Down:		Total D.T.	M-RPM:	N/A		Misc:	\$ - \$ -	Corrosion:			1,000
START	END	TIME	Total D.T.		<u> </u>	147.0		\$ -	Consultant:			
06:00	08:30		DDI C 5/7		Total Rot. Hrs:		Daily Total:	Ψ -	Drilling Mud:		*	1,084
08:30	09:00		DRLG F/ 7 SURVEY	JUZ - / 300		(64`@25.	<u> </u>		Misc. / Labor:		\$ •	-
09:00	16:30	1	DRLG F/ 7	566 - 7700		(224, @34	O SEDITI		Csg. Crew:		\$ \$ 20	6.024
16:30	17:00					(224`@2	3.0FFN)		Daily Total			6,934
17:00	06:00	T*****	RIG SERV			/200\@24	AEDU)		Cum. Wtr:			7,711
06:00	00:00	13:00	DRLG F/ 7	190 - 80/8		(288`@22	2.1FPH)		Cum. Fuel			6,763 9,000
00.00									Cum. Bits:	BUA	<u> </u>	9,000
-							DECEN	VED		BHA		4.00
0				····			RECEI'	VEU	BIT	7 7/8		1.00
0	-	<u> </u>		MIDUE			DEC 2 1	2006	N/B STB			4.51
				MUD UP @8	8000	-			SHOCK SUE	-		10.75
	-						v. OF OIL, GAS	& MINING	1 - DC			29.47
-									IBS			6.57
			MEO 4) /=:	205	00.441	4000:			1-DC			28.65
			MESAVE		9341'	1263'			IBS			6.56
	-		CASTLEC	iAIE	12016'	3938'			19-DC's			568.13
			GRASSY		12401'	4323'			TOTAL BH	I		655.64
			SUNNYSI	DΕ	12551'	4473'			Survey	2	753	4'
	16-		TD		13166'	5088'	BOILER	24	Survey			
P/U	185		LITH:	20% SS, 80 °	% SH- PRE				BKG GAS	_	10	
S/O	175	K#	FLARE:				SAS BUSTER	NO	CONN GAS		N/A	
ROT.	180		LAST CSG			SET@	3564' KB		PEAK GAS	;	N/A	4
FUEL	Used:		On Hand:	664		Co. Man	Rick Felker	ODC	TRIP GAS			
BIT # 1 C	ONDITION	ICS	ocs	DC	LOC	B/S	G	ODC	RP	L		
·····								I	L	L		



CONFIDENTIAL

T105 R17E5-28 43-013-33087 GPS- N. 39° 55' 53.8" W. 110° 01' 44.2"

AFE # 40158

						70130						
Well:			Permit Der	oth: 13250	Prog. Dept	h: 13166	Date:	12/22/2006	Days Since	Spud:		7
Current (Operations	r	L	·	, , ,	1	DRLG	T_ :				
Depth:	8519'		T	D Hrs:	23 1/2	AV ROP:	18.8	Formation:	. [WASAT		
DMC:	\$9,9	994	TMC:		\$32,747		TDC:	\$34,844	CWC:		973,	643
Contract	or: Nab	ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE C		INTANGIBL	E COS		
MW:	8.7	#1 PZ-9	3.6 gpm	Bit #:	2		Conductor:	<u> </u>	Loc,Cost:		\$	
VIS:	40	SPM:	114	Size:	7 7/8		Surf. Csg:	\$ -	Rig Move:		\$	
PV/YP:	8/26	#2 PZ-9	3.6 gpm	Туре:	DSX210		Int. Csg:	<u> </u>	Day Rate:		\$	22,000
Gel:	12/25/33	SPM:	0	MFG:	HYC		Prod Csg:	\$ -	Rental Tools:		\$	2,000
WL:	20	GPM:	420	S/N:	105842		Float Equp:	<u> </u>	Trucking:		\$	-
Cake:		Press:	843	Jets:	5-18/3-14		Well Head:	\$ -	Water:		\$	-
Solids:	1.5	AV DC:	396	TD Out:	0		TBG/Rods:	\$ -	Fuel:		\$	-
MBT:		AV DP:	214	Depth In:	4765		Packers:	\$ -	Mud Logger:		\$	850
PH:	9.0	JetVel:	114	FTG:	3754		Tanks:	\$ -	Logging:		\$	-
Pf/Mf:	1.2/9.2	ECD:	9.23	Hrs:	110 1/2		Separator:	\$ -	Cement:		\$	-
Chlor:	3000	SPR #1 :		FPH:	34.0		Heater:	\$ -	Bits:		\$	_
Ca:	100	SPR #2 :		WOB:	18/25		Pumping L/T:	\$ -	Mud Motors:		\$	-
Dapp ppb:	4.8	Btm.Up:	35	R-RPM:	80/95		Prime Mover:	\$ -	Corrosion:		\$	-
	ak Down:			M-RPM:	N/A		Misc:	\$ -	Consultant:		\$	9,994
START	END	TIME			Total Rot. Hrs:	170.5	Daily Total:	\$ -	Drilling Mud:		\$	-
06:00	16:30		DRLG F/80			<u> </u>	3`@21.3FPH)		Misc. / Labor:		\$	-
16:30	17:00	0:30	RIG SERV				7		Csg. Crew:		\$	-
17:00	06:00	13:00	DRL F/ 830			(21	9`@16.8FPH)	· · · · · · · · · · · · · · · · · · ·	Daily Total		\$	34,844
06:00	1	10.00	D1121700			<u> </u>	,		Cum. Wtr:		\$	7,711
00.00						. "			Cum. Fuel		\$	36,763
0								****	Cum. Bits:	***	\$	19,000
0				,,,		DE		<u> </u>	****	BHA	1	
	<u> </u>					HE	CEIVED		BIT	7 7/8		1.00
0		<u> </u>	<u> </u>			DEC	2 2 2006		N/B STB	7 770		4.51
0	<u> </u>								SHOCK SUE			10.75
				<u>.</u>		DIV. OF O	L, GAS & MIN	ING	1 - DC			29.47
	 	 							IBS			6.57
	 											28.65
	<u> </u>		MEGAVE:		00441	900	· · · · · · · · · · · · · · · · · · ·		1-DC IBS			6.56
	-	 	MESAVE		9341'	822 3497		<u> </u>	19-DC's			568.13
	-	 	CASTLEG		12016'				TOTAL BH			655.64
			GRASSY		12401'	3882			Survey	2		7534'
	 	<u> </u>	SUNNYS	IDE	12551'	4032		<u> </u>	Survey 24 Survey	-		7 304
	1	L	TD	-	13166'	4647				L		10
P/U	192	K#	LITH:	20% SS, 80	% SH- PRE	D RED SHA			BKG GAS			10
S/O	175	K#	FLARE:				BAS BUSTER	R NO	CONN GA		465	N/A
ROT.	187	K#	LAST CSC		8 5/8"	SET @	3564' KB		PEAK GAS	<u> </u>	135	Butane test
FUEL	Used:	1854	On Hand:		88	Co. Man	Rick Felker	LODO	TRIP GAS			
BIT # 1 C	ONDITION	ICS	ocs	DC	LOC	B/S	G	ODC		 		
L		1	L		<u> </u>		ــــــــــــــــــــــــــــــــــــــ	1				



CONFIDENTIAL TIOS RIDE 5-20 43-013- 33087

AFE # 40158

			T		T							
Well:			Permit De	pth: 13250	Prog. Dept	h: 13166	Date:	12/23/2006	Days Since	Spud:		8
	Operations	T		I		I	DRLG	<u> </u>				
Depth:	·	Prog:	205	D Hrs:	12	AV ROP:	17.1	Formation:	laura	WASAT		
DMC:	\$3,4		TMC:	l	\$36,210		TDC:	\$41,251	CWC:		1,015,3	394
Contracte		ors 270		Mud Co:	M-I DRLG	T .	TANGIBLE C		INTANGIBI	E COS		
MW:	1		3.6 gpm	Bit #:	2	3	Conductor:	\$ -	Loc,Cost:		\$	
VIS:	40	SPM:	114	Size:	7 7/8	7 7/8	Surf. Csg:	\$ -	Rig Move:		\$	-
PV/YP:	1	#2 PZ-9		Туре:	DSX210	3655Z	Int. Csg:	\$ -	Day Rate:		\$	22,000
Gel:	12/26/34	SPM:	0	MFG:	HYC	SEC	Prod Csg:	\$ -	Rental Tools:		\$	2,500
WL:	12.5	GPM:	420	S/N:	105842	10886570	Float Equp:	\$ -	Trucking:		\$	550
Cake:	1/32	Press:	1180	Jets:	5-18/3-14	6X16	Well Head:	\$ -	Water:		\$	-
Solids:	4	AV DC:	396	TD Out:	8620		TBG/Rods:	\$ -	Fuel:		\$	
мвт:	7.5	AV DP:	214	Depth In:	4765	8620	Packers:	\$ -	Mud Logger:		\$	850
PH:	9.0	JetVel:	114	FTG:	3855	104	Tanks:	\$ -	Logging:		\$	_
Pf/Mf:	.9/6.9	ECD:	9.38	Hrs:	116 1/2	6	Separator:	\$ -	Cement:		\$	
Chlor:	4000	SPR #1 :	30/200	FPH:	33.1	17.3	Heater:	\$ -	Bits:		\$	9,500
Ca:	100	SPR #2 :	40/275	WOB:	18/25	15/23	Pumping L/T:	\$ -	Mud Motors:		\$	-
Dapp ppb:	4.9	Btm.Up:	35	R-RPM:	80/95	70/80	Prime Mover:	\$ -	Corrosion:		\$	-
Time Bre	ak Down:		Total D.T.	M-RPM:	N/A		Misc:	\$ -	Consultant:		\$	1,000
START	END	TIME		1	Total Rot. Hrs:	160.5	Daily Total:	\$ -	Drilling Mud:		\$	3,463
06:00	12:00	6:00	DRLG F/8	519-8620		(101)	`@17.3FPH)		Misc. / Labor:		\$	1,388
12:00	12:30	0:30	PUMP PIL	L,SURVEY					Csg. Crew:		\$	-
12:30	16:30	4:00	TRIP OUT	OF HOLE					Daily Total	:	\$	41,251
16:30	18:00	1:30	CHANGE \	WEAR BUSH	ING ,FUNC	TION TEST	ВОР		Cum. Wtr:		\$	7,711
18:00	18:30	0:30	CHANGE (OUT BIT ,SHO	OCK SUB				Cum. Fuel		\$	36,763
18:30	20:30	2:00	TRIP IN H	OLE TO SHO	E				Cum. Bits:		\$	28,500
20:30	21:30	1:00	FILL PIPE	AND BLOW	OUT KELLY				ВНА			
21:30	23:00		TRIP IN H				RECEI	VED	BIT	7 7/8		1.00
23:00	23:30		FILL PIPE				DEC 2.7	2006	N/B STB		•	4.51
23:30	00:00			589 - 8620 <i>-</i> I	NO FILL			2000	SHOCK SUB			10.50
00:00	06:00		DRLGF/ 86			Di	V. OF OIL, GAS	& MINING	1 - DC			29.47
	00.00	0.00					11 01 012, GING	<u> </u>	IBS			6.57
									1-DC			28.65
			MESAVE	RDF	9341'	617'			IBS			6.56
			CASTLEC		12016'	3292'			19-DC's			568.13
			GRASSY	7112	12401'	3677'			TOTAL BH	 A =		655.39
			SUNNYSI	DE	12551'	3827'			Survey	2	7	534'
			TD		13166'	4442'		24	Survey	2 3/4		620'
P/U	192	K#	LITH:	20% SS, 80 °		· · ·			BKG GAS			10
S/O	175	K#	FLARE:	_0,0 00,00	,, ,, ,, , , , , , , , , , , , , , , ,	- 1,22 01	SAS BUSTER	NO	CONN GAS	<u> </u>		LIGBLE
ROT.	187	K#	LAST CSG	RAN.	8 5/8"	SET @	3564' KB		PEAK GAS			10
FUEL	Used:		On Hand:	306	¥	Co. Man	Rick Felker		TRIP GAS			LIGBLE
		ICC	OCS	DC	LOC	B/S	G	ODC	RP			
DII # 2 CC	ONDITION	1	1	NO	Α	Х		NO	PR			



CONFIDENTIAL T106 R 19E 3-20 43-013-33089 GPS- N. 39° 55' 53.8" W. 110° 01' 44.2"

AFE # 40158

			GPS - N. 3	9 33 33.6	VV. 110	01 44.2					
Well:			Permit De	epth: 13250	Prog. Dep	th: 13166	Date:	12/24/2006	Days Sinc	e Spud:	9
	Operation			T		T	DRLG				
Depth:	9238'	Prog:	514	D Hrs:	23 1/2	AV ROP:	21.9	Formation:		WASA	
DMC:		463	TMC:		\$39,673		TDC:	\$34,168	CWC:		1,049,562
Contract	tor: Nat	ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE (COST	INTANGIBLE CO		T
MW:	9	#1 PZ-9		Bit #:	3		Conductor:	\$ -	Loc,Cost:		\$ -
VIS:	39	SPM:	114	Size:	7 7/8		Surf. Csg:	\$ -	Rig Move:		\$ -
PV/YP:	12/20	#2 PZ-9		Туре:	3655z		Int. Csg:	\$ -	Day Rate:		\$ 22,000
Gel:	15/34/41	SPM:	0	MFG:	SEC		Prod Csg:	\$ -	Rental Tools:	:	\$ 2,500
WL:	11.6	GPM:	420	S/N:	10886570	1	Float Equp:	\$ -	Trucking:		\$ -
Cake:	1/32	Press:	1218	Jets:	5X16		Well Head:	\$ -	Water:		\$ -
Solids:	5	AV DC:	396	TD Out:	ļ		TBG/Rods:	\$ -	Fuel:		\$ 7,818
MBT:	10	AV DP:	214	Depth In:	8620		Packers:	\$ -	Mud Logger:	_	\$ 850
PH:	9.0	JetVel:	114	FTG:	618		Tanks:	\$ -	Logging:		\$ -
Pf/Mf:	.2/6.6	ECD:	9.56	Hrs:	29 1/2		Separator:	\$ -	Cement:		\$ -
Chlor:	4000	SPR #1 :	30/200	FPH:	20.9		Heater:	\$ -	Bits:	7	\$ -
Ca:	100	SPR #2 :	40/275	WOB:	22/28		Pumping L/T:	\$ -	Mud Motors:		\$ -
Dapp ppb:	5.2	Btm.Up:	38	R-RPM:	75/85		Prime Mover:	\$ -	Corrosion:		\$ -
Time Bre	ak Down:		Total D.T.	M-RPM:			Misc:	\$ -	Consultant:		\$ 1,000
START	END	TIME			Total Rot. Hrs:	160.5	Daily Total:	\$ -	Drilling Mud:		\$ -
06:00	16:00	10:00	DRLG F/8	724 - 8938	·	(214`@21.	4FPH)		Misc. / Labor:	:	\$ -
16:00	16:30	0:30	RIG SERV	/ICE					Csg. Crew:		\$ -
16:30	06:00	13:30	DRLG F/8	938 - 9238		(300`@22	2FPH)		Daily Total) <u>:</u>	\$ 34,168
06:00									Cum. Wtr:		\$ 7,711
0	<u> </u>			·				.	Cum. Fuel		\$ 44,581
0	ļ								Cum. Bits:		\$ 28,500
0		ļ <u>.</u>				HEC	EIVED			BHA	\
0			•••			DEC	2 7 2006 -		ВІТ	7 7/8	1.00
0	1						2000		N/B STB		4.51
0						DIV. OF OIL,	GAS & MINING	<u> </u>	SHOCK SUE	3	10.50
0									1 - DC		29.47
0									IBS		6.57
0									1-DC		28.65
			MESAVE	RDE	9341'	103'			IBS		6.56
			CASTLE	ATE	12016'	2778'			19-DC's		568.13
			GRASSY		12401'	3163'			TOTAL BH	A =	655.39
			SUNNYSI	DE	12551'	3313'			Survey	2	7534'
			TD		13166'	3928'	BOILER	24	Survey	2 3/4	8620'
P/U	200	K#	LITH:	20% SS, 80	% SH- PRE	RED- GY	SHALES		BKG GAS		10
S/O	190	K#	FLARE:				SAS BUSTER	NO	CONN GAS	3	NEGLIGBLE
ROT.	195	K#	LAST CSG	. RAN:	8 5/8"	SET@	3564' KB		PEAK GAS		10
FUEL	Used:		On Hand:	384		Co. Man	Rick Felker		TRIP GAS		NEGLIGBLE
3IT # 3 C	ONDITION	ICS	ocs	DC	LOC	B/S	G	ODC	RP		
								J			



CONFIDENTIAL T105 R 19E 5-20 43-013-33089

AFE # 40158

AFE # 40158 GPS -										VV. 110	וטינ	44.2
Well:			Permit De	epth: 13250	Prog. Dep	th: 13166	Date:	12/25/2006	Days Sinc	e Spud:		10
	Operation	T		T		1	DRLG	· · · · · · · · · · · · · · · · · · ·				
Depth:		Prog:	416	D Hrs:	23 1/2	AV ROP:	17.7	Formation:	UPP	ER MES	A VE	RDE
DMC:		141	TMC:		\$43,814		TDC:	\$43,990	cwc:	\$	1,09	3,552
Contract	or: Nat	ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE (COST	INTANGIB	LE COS	T	
MW:	9.1	#1 PZ-9		Bit#:	3	<u> </u>	Conductor:	\$ -	Loc,Cost:		\$	
VIS:	39	SPM:	114	Size:	7 7/8		Surf. Csg:	\$ -	Rig Move:		\$	
PV/YP:		#2 PZ-9		Туре:	3655z		Int. Csg:	\$ -	Day Rate:		\$	22,000
Gel:	15/34/41	SPM:	0	MFG:	SEC	l	Prod Csg:	\$ -	Rental Tools		\$	2,500
WL:	11.4	GPM:	420	S/N:	10886570	1	Float Equp:	\$ -	Trucking:		\$	_
Cake:	1/32	Press:	1272	Jets:	5X16		Well Head:	<u> </u>	Water:		\$	
Solids:	6	AV DC:	396	TD Out:			TBG/Rods:	<u> </u>	Fuel:		\$	13,499
мвт:	12.5	AV DP:	214	Depth In:	8620		Packers:	\$ -	Mud Logger:		\$	850
PH:	9.0	JetVel:	114	FTG:	1034		Tanks:	\$ -	Logging:		\$	-
Pf/Mf:	.6/6.0	ECD:	9.89	Hrs:	53		Separator:	\$ -	Cement:		\$	-
Chlor:	4000	SPR #1 :	30/200	FPH:	19.5		Heater:	\$ -	Bits:		\$	_
Ca:	100	SPR #2 :	40/275	wов:	25/28		Pumping L/T:	\$ -	Mud Motors:		\$	-
Dapp ppb:	4.8	Btm.Up:	40	R-RPM:	80/90		Prime Mover:	\$ -	Corrosion:		\$	-
Time Bre	ak Down:		Total D.T.	M-RPM:			Misc:	\$ -	Consultant:		\$	1,000
START	END	TIME			Total Rot. Hrs:	217.5	Daily Total:	\$ -	Drilling Mud:		\$	4,141
06:00	14:30	8:30	DRLG F/9	238 - 9415		(177`@	20.8FPH)		Misc. / Labor	1	\$	-
14:30	15:00	0:30	RIG SERV	/ICE					Csg. Crew:		\$	-
15:00	06:00	15:00	DRLG F/9	415 - 9654	***	(239`@	015.9FPH)		Daily Total	:	\$	43,990
06:00									Cum. Wtr:		\$	7,711
0									Cum. Fuel		\$	58,080
0						· · · · · · · · · · · · · · · · · · ·			Cum. Bits:		\$	28,500
0				***		RE	CEIVED		ВНА			
0						DEC	0 7 0000		ВІТ	7 7/8		1.00
0						שבנ	2 7 2006		N/B STB			4.51
0						DIV OF OU	L, GAS & MINH	WC	SHOCK SUE	3		10.50
0						D141 O1 O1	E, GING & HITTER	VO.	1 - DC			29.47
0								,	IBS			6.57
0									1-DC			28.65
			MESAVE	RDE	9341'	-313'			IBS			6.56
			CASTLEC	BATE	12016'	2362'			19-DC's			568.13
			GRASSY		12401'	2747'			TOTAL BH	A =		655.39
			SUNNYSI	DE	12551'	2897'			Survey			
			TD		13166'	3512'	BOILER	24	Survey			
P/U	215	K#	LITH:	20% SS, 80	% SH- TR C	ARB MAT L	.OOSE		BKG GAS			20
S/O	195	K#	FLARE:				SAS BUSTER	NO	CONN GAS			30
ROT.	202	K#	LAST CSG	i. RAN:	8 5/8"	SET @	3564' KB		PEAK GAS			250
FUEL	Used:		On Hand:	61 ⁻		Co. Man	Rick Felker		TRIP GAS			N/A
BIT # 3 C0	ONDITION	ICS	ocs	DC	LOC	B/S	G	ODC	RP			
- *												



CONFIDENT! TIOS RIZE 5-20 43-013-33087 GPS- N. 39° 55' 53.8" W. 110° 01' 44.2"

AFE # 40158

					ALE #	40158		GPS - N. 39	35 55.6	VV. 110	VI	44.2
Well:	WRF 32-	20-10-17	Permit De	pth: 13250	Prog. Dept	h: 13166	Date:	12/26/2006	Days Since	Spud:		11
Current	Operations	3:					DRLG					
Depth:	10100'	Prog:	446	D Hrs:	23 1/2	AV ROP:	19.0	Formation:	UPPE	R MES	A VE	RDE
DMC:	\$3,2	230	тмс:		\$39,489		TDC:	\$29,580	CWC:	-		3,132
Contract	tor: Nat	ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE COST		INTANGIBLE COST		Τ	
MW:	9.6	#1 PZ-9	3.6 gpm	Bit #:	3		Conductor:	\$ -	Loc,Cost:		\$	
VIS:	41	SPM:	114	Size:	7 7/8		Surf. Csg:	\$ -	Rig Move:		\$	
PV/YP:	12/16	#2 PZ-9	3.6 gpm	Туре:	3655z		Int. Csg:	\$ -	Day Rate:		\$	22,000
Gel:	9/24/34	SPM:	0	MFG:	SEC		Prod Csg:	\$ -	Rental Tools:		\$	2,500
WL:	11.2	GPM:	420	S/N:	10886570		Float Equp:	\$ -	Trucking:		\$	
Cake:	1/32	Press:	1381	Jets:	5X16		Well Head:	\$ -	Water:		\$	
Solids:	4	AV DC:	396	TD Out:			TBG/Rods:	\$ -	Fuel:		\$	-
мвт:	9.8	AV DP:	214	Depth In:	8620		Packers:	\$ -	Mud Logger:		\$	850
PH :	9.0	JetVel:	114	FTG:	1480		Tanks:	\$ -	Logging:		\$	
Pf/Mf:	.8/6.5	ECD:	9.85	Hrs:	76 1/2		Separator:	\$ -	Cement:		\$	-
Chlor:	6000	SPR #1 :	30/300	FPH:	19.3		Heater:	\$ -	Bits:		\$	_
Ca:	120	SPR #2 :	40/325	WOB:	25/28		Pumping L/T:	\$ -	Mud Motors:		\$	-
Dapp ppb:	5.1	Btm.Up:	42	R-RPM:	80/90		Prime Mover:	\$ -	Corrosion:		\$	-
Time Bre	ak Down:		Total D.T.	M-RPM:			Misc:	\$ -	Consultant:		\$	1,000
START	END	TIME	v Hilbert		Total Rot. Hrs:	241.0	Daily Total:	\$ -	Drilling Mud:		\$	3,230
06:00	15:00	9:00	DRLG f/ 96	354 - 9798		(144`@)16 FPH)		Misc. / Labor:		\$	
15:00	15:30	0:30	RIG SERV	ICE					Csg. Crew:		\$	-
15:30	06:00	14:30	DRLG F/97	798 - 10100		(302`@	20.8FPH		Daily Total	:	\$	29,580
06:00									Cum. Wtr:		\$	7,711
0									Cum. Fuel		\$	58,080
0									Cum. Bits:		\$	28,500
0						DEO	-W.E.D.			BHA	\	
0						HEU	EIVED		BIT	7 7/8		1.00
0						DEC 2	7 2006		N/B STB			4.51
0									SHOCK SUB			10.50
0					D	IV. OF OIL, O	AS & MINING		1 - DC			29.47
0									IBS			6.57
0									1-DC			28.65
			MESAVE	RDE	9341'	-759'			IBS			6.56
			CASTLEG	ATE	12016'	1916'			19-DC's			568.13
			GRASSY		12401'	2301'			TOTAL BH	A =		655.39
			SUNNYSI	DE	12551'	2451'			Survey			
			TD		13166'	3066'	BOILER	24	Survey			
P/U	220	K#	LITH:	30% SS, 70	% SH- TR C	ARB MAT L	OOSE		BKG GAS			30
S/O	200	K#	FLARE:				SAS BUSTER	NO	CONN GAS			40
ROT.	210	K#	LAST CSG	. RAN:	8 5/8"	SET @	3564' KB	*******	PEAK GAS			104
FUEL	Used:	2272	On Hand:	38		Co. Man	Rick Felker		TRIP GAS			N/A
	ONDITION	ICS	ocs	DC	LOC	B/S	G	ODC	RP			
# J O	J., J. 1010				l	1				L		



CONFIDENTIAL TIOS RIGE 5-20 43-013-33089

AFE # 40158

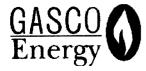
			 .		I	40158		GPS - N. 39			· · · · · · · · · · · · · · · · · · ·
Well:			Permit De	oth: 13250	Prog. Dept	h: 13166	Date:	12/27/2006	Days Since	Spud:	12
Current (Operations		<u> </u>			1	IP FOR B				
Depth:	10341'		T	D Hrs:		AV ROP:	14.6	Formation:		IESA VE	-
DMC:	\$3,3		TMC:		\$42,810		TDC:		CWC:		,178,268
Contract	or: Nab	ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE C	OST	INTANGIBL		
MW:	9.6	#1 PZ-9		Bit #:	3		Conductor:	\$ -	Loc,Cost:		<u>\$</u> -
VIS:	40	SPM:	114	Size:	7 7/8		Surf. Csg:		Rig Move:		<u>\$</u>
PV/YP:	12/13	#2 PZ-9	3.6 gpm	Туре:	3655z		Int. Csg:		Day Rate:		\$ 22,000
Gel:	9/20/36	SPM:	0	MFG:	SEC		Prod Csg:	\$ -	Rental Tools:		\$ 2,500
WL:	11.2	GPM:	420	S/N:	10886570	,	Float Equp:	\$ -	Trucking:		<u> </u>
Cake:	1/32	Press:	1381	Jets:	5X16		Well Head:	\$ -	Water:		<u> </u>
Solids:	4	AV DC:	396	TD Out:	10341		TBG/Rods:	\$ -	Fuel:		\$ 24,572
мвт:	12.5	AV DP:	214	Depth In:	8620		Packers:	\$ -	Mud Logger:		\$ 850
PH:	9.5	JetVel:	114	FTG:	1721		Tanks:	\$ -	Logging:		<u> </u>
Pf/Mf:	.7/6.3	ECD:	9.97	Hrs:	93		Separator:	\$ -	Cement:		\$ -
Chlor:	4000	SPR #1 :	30/300	FPH:	18.5		Heater:	\$ -	Bits:		\$ -
Ca:	100	SPR #2 :	40/325	WOB:	25/28		Pumping L/T:	\$ -	Mud Motors:		\$ -
Dapp ppb:	5.1	Btm.Up:	45	R-RPM:	80/90		Prime Mover:	\$ -	Corrosion:		<u> </u>
Time Bre	ak Down:		Total D.T.	M-RPM:			Misc:	\$ -	Consultant:		\$ 1,000
START	END	TIME	3	1	Total Rot. Hrs:	257.5	Daily Total:	\$ -	Drilling Mud:		\$ 3,321
06:00	17:00	11:00	Drlg f/1010	0 - 10276		(176`@1	6. FPH)		Misc. / Labor:		\$ 893
17:00	17:30	0:30	RIG SERV	ICE	4-4-97				Csg. Crew:		\$ -
17:30	23:00	5:30	Drlg f/ 1027	76 - 10341		(65`@13	fph)		Daily Total		\$ 55,136
23:00	01:30	2:30	TRIP FOR	BIT - BLOWE	D DOWN K	ELLY, SPO	T PILL		Cum. Wtr:		\$ 7,711
01:30	04:30	3:00	RIG RAN C	OUT OF FUEL	_				Cum. Fuel		\$ 82,652
04:30	06:00	1:30	FINISH TR	IP OUT FOR	BIT				Cum. Bits:		\$ 28,500
06:00						BEC				ВНА	
0							EIVED		BIT	7 7/8	1.00
0						DEC	2 7 2006		N/B STB		4.51
0						W			SHOCK SUB		10.50
0						JIK OF OIL,	GAS & MINING		1 - DC		29.47
0								-	IBS		6.57
0									1-DC		28.65
			MESAVER	RDE	9341'	-1000			IBS		6.56
			CASTLEG	SATE	12016'	1675			19-DC's		568.13
			GRASSY		12401'	2060'			TOTAL BH	A =	655.39
			SUNNYSI	DE	12551'	2210'			Survey		
			TD		13166'	2825	BOILER	24	Survey		
P/U	223	K#	LITH:	40% SS, 60	% SH- CAF	RB MAT LO	OSE		BKG GAS		40
S/O	203	K#	FLARE:				3AS BUSTER	NO	CONN GAS	3	60
ROT.	213	K#	LAST CSG	i. RAN:	8 5/8"	SET@	3564' KB		PEAK GAS		750
FUEL	Used:	2044	On Hand:	102	200	Co. Man	Rick Felker		TRIP GAS		N/A
	ONDITION	ICS	ocs	DC	LOC	B/S	G	ODC	RP		
Γ			1			L	J				



TIOS RITE 5-20 43-013-33087

AFE # 40158

			T				r		1			
Well:			Permit De	pth: 13250	Prog. Dept	th: 13166	Date:	12/28/2006	Days Since	Spud:		13
	Operation:	T		<u></u>	40.410	I.v. p.o.p	DRLG	T:		4504.10		
Depth:	10547'		206 TMC:	D Hrs:	13 1/2	AV ROP:	15.3 TDC:	Formation: \$40,972	cwc:	MESA V		9,240
DMC:		168	TWIC:	Mud Co:	\$44,978	ELUIDE	TANGIBLE (INTANGIB			9,240
Contract		ors 270			M-I DRLG	1				LE COS		
MW:	9.7	#1 PZ-9		Bit #:	3 7.7/0	7 7/0	Conductor:	<u>\$ -</u>	Loc,Cost:		\$	-
VIS:	41	SPM:	114	Size:	7 7/8	7 7/8	Surf. Csg:	\$ -	Rig Move:		\$	
PV/YP:		#2 PZ-9		Туре:	3655z	†	Int. Csg:	\$ -	Day Rate:		\$	22,000
Gel:	9/20/33	SPM:	0	MFG:	SEC	STC	Prod Csg:	\$ -	Rental Tools:		\$	2,500
WL:	9.8	GPM:	420	S/N:	10886570		Float Equp:	\$ -	Trucking:		\$	-
Cake:	1/32	Press:	1540	Jets:	5X16	8X14	Well Head:	<u> </u>	Water:		\$	2,954
Solids:	5	AV DC:	396	TD Out:	10341		TBG/Rods:	\$ -	Fuel:		\$	-
мвт:	11.4	AV DP:	214	Depth In:	8620	10341	Packers:	\$ -	Mud Logger:		\$	850
PH:	9.0	JetVel:	112	FTG:	1721	206	Tanks:	\$ -	Logging:		\$	-
Pf/Mf:	.4/5	ECD:	10.1	Hrs:	93	13.5	Separator:	\$ -	Cement:		\$	<u> </u>
Chlor:	5000	SPR #1 :	30/300	FPH:	18.5	15.3	Heater:	\$ -	Bits:		\$	9,500
Ca:	120	SPR #2 :	40/325	wов:	25/28	20/25	Pumping L/T:	\$ -	Mud Motors:		\$	-
Dapp ppb:	4	Btm.Up:	45	R-RPM:	80/90	70/80	Prime Mover:	\$ -	Corrosion:		\$	-
Time Bre	ak Down:		Total D.T.	M-RPM:			Misc:	\$ -	Consultant:		\$	1,000
START	END	TIME	3		Total Rot. Hrs:	257.5	Daily Total:	\$ -	Drilling Mud:		\$	2,168
06:00	08:00	2:00	TRIP OUT	OF HOLE					Misc. / Labor:	1	\$	-
08:00	08:30	0:30	CHECK W	EAR BUSHIN	IG				Csg. Crew:		\$	-
08:30	09:00	0:30	RIG SERV	ICE	"				Daily Total	:	\$	40,972
09:00	11:00	2:00	TRIP IN H	OLE TO SHO	E				Cum. Wtr:		\$	10,665
11:00	12:00	1:00	SLIP AND	CUT DRLG L	.INE				Cum. Fuel		\$	82,652
12:00	15:30	3:30	TRIP OIN	HOLE, FILL	PIPE @350	0, 9600, INS	STALL ROT H	EAD	Cum. Bits:		\$	38,000
15:30	16:30	1:00	REAM 90'	то воттом	1					BHA	$\overline{}$	
16:30	06:00	13:30		0341 - 10547	······································	(206`@1	5.3FPH)		BIT	7 7/8		1.00
06:00									N/B STB			4.51
0				RECE	EIVED	F	ECEIVE	יט	SHOCK SUE	3		10.50
0						[DEC - 20	ng	1 - DC			29.47
0				DEC 2	8 2006		<u> </u>		IBS			6.57
0			,		AC 0 BRIDGE				1-DC			28.65
			MESAVE	OIV. OF OIL, G RDE	AS & MININ 9341'	G -12 06'			IBS			6.56
			CASTLEC		12016'	1469'			19-DC's			568.13
			GRASSY	,,,, <u>,</u>	12401'	1854'			TOTAL BH	 A =		655.39
			SUNNYSI	DE	12551'	2004'			Survey	2		10341'
-			TD		13166'	2619'		R 24	Survey			
P/U	223	K#	LITH:	50% SS, 50				<u> </u>	BKG GAS			100
S/O	203	K#	FLARE:	5570 55, 50	70 OFF OPEN	U WINT LOC	SAS BUSTER	R NO	CONN GAS			110
ROT.	213	K#	LAST CSG	: RAN·	8 5/8"	SET @	3564' KB		PEAK GAS			2550
FUEL	Used:		On Hand:	860		Co. Man	Rick Felker		TRIP GAS	<u> </u>		360
		ICC	OCS	DC	LOC	B/S	G	ODC	RP			300
BII # 3 CC	ONDITION	1	3	WC	S	Х	ı	NO	PR			
										_		



CONFIDENTIAL TIOS RIDE 5-20 43-013-33087

AFE # 40158

						40100			33 33.6		01 77.2	
Well:	WRF 32-2	20-10-17	Permit Dep	oth: 13250	Prog. Dept		Date:	12/29/2006	Days Since	Spud:	14	4
Current (Operations	s:					p for turb					4
Depth:	10819'	Prog:	272	D Hrs:	19 1/2	AV ROP:	13.9	Formation:			VERDE	
DMC:	\$4,5	96	TMC:		\$49,574		TDC:		CWC:		,250,736	_
Contract	or: Nab	ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE C	OST	INTANGIBL			4
MW:	9.7	#1 PZ-9	3.6 gpm	Bit #:	4		Conductor:		Loc,Cost:		\$	ᆜ
VIS:	41	SPM:	114	Size:	7 7/8		Surf. Csg:	\$ -	Rig Move:		\$	ᅴ
PV/YP:	12/13	#2 PZ-9	3.6 gpm	Туре:	MS1816		Int. Csg:	\$ -	Day Rate:		\$ 22,00	
Gel:	9/26/36	SPM:	0	MFG:	STC		Prod Csg:	\$ -	Rental Tools:		\$ 2,50	-
WL:	10	GPM:	420	S/N:	JX0150		Float Equp:	\$ -	Trucking:		·	50
Cake:	1/32	Press:	1485	Jets:	8X14		Well Head:	\$ -	Water:		\$	
Solids:	8.4	AV DC:	396	TD Out:	10819		TBG/Rods:	\$ -	Fuel:		\$	_
MBT:	16	AV DP:	214	Depth In:	10341_		Packers:	\$ -	Mud Logger:		·	50
PH :	9.0	JetVel:	112	FTG:	478		Tanks:	\$ -	Logging:		\$	ᆜ
Pf/Mf:	.3/5.5	ECD:	10.1	Hrs:	33		Separator:	\$ -	Cement:		\$	ᆜ
Chlor:	5000	SPR #1 :		FPH:	14.4		Heater:	\$ -	Bits:		\$	
Ca:	100	SPR #2 :		WOB:	30		Pumping L/T:	\$ -	Mud Motors:		\$	
Dapp ppb:	4.8	Btm.Up:	46	R-RPM:	60/70		Prime Mover:	\$ -	Corrosion:		\$	
Time Bre	ak Down:		Total D.T.	M-RPM:			Misc:	\$ -	Consultant:		\$ 1,0	_
START	END	TIME	3	1	Total Rot. Hrs:	277.0	Daily Total:	\$ -	Drilling Mud:		\$ 4,5	96
06:00	18:00	12:00	DRLG F/10	547 - 10692		(145`@8.0	FPH)		Misc. / Labor:		\$	
18:00	01:30	7:30	DRLG F/10	692 - 10819		(1271@16	.9FPH)		Csg. Crew:		\$	
01:30	02:00	0:30	PUMP PILI	L ,SURVEY					Daily Total:		\$ 31,4	96
02:00	06:00	4:00	TRIP OUT	OF HOLE					Cum. Wtr:		\$ 10,6	<u>65</u>
06:00									Cum. Fuel		\$ 82,6	
0									Cum. Bits:		\$ 38,0	00
0										ВНА		
0						DEC	EIVED		віт	7 7/8	1	.00
0									N/B STB		4	.51
0						DEC	2 9 2006		SHOCK SUB		10	.50
0									1 - DC		29	.47
0						DIV. OF OIL	., GAS & MININ	G	IBS		6	5.57
0									1-DC		28	3.65
			MESAVE	RDE	9341'	-1478	'		IBS		6	5.56
			CASTLEG		12016'	1197	•		19-DC's		568	3.13
			GRASSY	· · · · · · · · · · · · · · · · · · ·	12401'	1582	·		TOTAL BH	A =	655	5.39
	<u> </u>		SUNNYSI	DE	12551'	1732	1		Survey	2	10341'	
			TD		13166'	2347	' BOILEF	24	Survey			
P/U	223	K#	LITH:	50% SS, 50	% SH- CAF	RB MAT LO	OSE		BKG GAS		180	
s/o	203	K#	FLARE:	<u> </u>			SAS BUSTER	NO_	CONN GAS	3	300	
ROT.	213	K#	LAST CSG		8 5/8"	SET @	3564' KB		PEAK GAS		2850	
FUEL	Used:	2046	On Hand:		54	Co. Man	Rick Felker		TRIP GAS		N/A	
	CONDITION	ICS	ocs	DC	LOC	B/S	G	ODC	RP			
P'' ** '							<u> </u>	l	L			



CONFIDENTIAL T/05 R12 5-20 43-013-33089

AFE # 40158

					AFE #	40158		GPS - N. 39	33 33.6	VV. 110	V 1 ·	+4.2
Well:	WRF 32-2	20-10-17	Permit De	pth: 13250	Prog. Dept	h: 13166	Date:	12/30/2006	Days Since	Spud:		15
Current (Operations	s:					DRILLING)				
Depth:	10870'	Prog:	51	D Hrs:	3 1/2	AV ROP:	14.6	Formation:	LOWE	R MES	A VE	RDE
DMC:	\$2,4	411	тмс:		\$51,985		TDC:	\$29,561	CWC:	\$	1,280	,297
Contract	or: Nab	ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE C	OST	INTANGIBL	E COS	T	
MW:	9.7	#1 PZ-9	2.2 gpm	Bit #:	4	5	Conductor:	\$ -	Loc,Cost:		\$	
VIS:	41	SPM:	95	Size:	7 7/8	7 7/8	Surf. Csg:	\$ -	Rig Move:		\$	
PV/YP:	12/13	#2 PZ-9	2.2 gpm	Туре:	MS1816	K503	Int. Csg:	\$ -	Day Rate:		\$	22,000
Gel:	9/26/36	SPM:	95	MFG:	STC	STC	Prod Csg:	\$ -	Rental Tools:		\$	2,500
WL:	10	GPM:	400	S/N:	JX0150	JW9280	Float Equp:	\$ -	Trucking:		\$	
Cake:	1/32	Press:	2750	Jets:	8X14	1.5	Well Head:	\$ -	Water:		\$	_
Solids:	8.4	AV DC:	396	TD Out:	10819		TBG/Rods:	\$ -	Fuel:		\$	-
мвт:	16	AV DP:	214	Depth In:	10341	10819	Packers:	\$ -	Mud Logger:		\$	850
PH:	9.0	JetVel:	112	FTG:	478	51	Tanks:	\$ -	Logging:		\$	
Pf/Mf:	.3/5.5	ECD:	10.1	Hrs:	33	3.5	Separator:	\$ -	Cement:		\$	
Chlor:	5000	SPR #1 :	50/425	FPH:	14.4	14.6	Heater:	\$ -	Bits:		\$	
Ca:	100	SPR #2 :		WOB:	30	6/10	Pumping L/T:	\$ -	Mud Motors:		\$	
Dapp ppb:	4.8	Btm.Up:	46	R-RPM:	60/70	50	Prime Mover:	\$ -	Corrosion:		\$	-
Time Bre	ak Down:		Total D.T.	M-RPM:			Misc:	\$ -	Consultant:		\$	1,000
START	END	TIME	3	1	Total Rot. Hrs:	277.0	Daily Total:	\$ -	Drilling Mud:		\$	2,411
06:00	07:30	1:30	TRIP OUT	OF HOLE					Misc. / Labor:		\$	800
07:30	08:00	0:30	CHANGE	OUT WEAR E	SUSHING				Csg. Crew:		\$	•
08:00	12:00	4:00	MAKE UP	BIT TURBINE	AND TEST	Γ			Daily Total	<u>: </u>	\$	29,561
12:00	14:00	2:00	TRIP IN T	O SHOE WITH	H DRILL ST	RING			Cum. Wtr:		\$	10,665
14:00	14:30	0:30	FILL PIPE	- BLOW KEL	LY DOWN				Cum. Fuel		\$	82,652
14:30	21:00	6:30	CHANGE	LINER IN PU	MPS TO 5"				Cum. Bits:		\$	38,000
21:00	23:00	2:00	TRIP IN H	OLE@9700						BH/	1	
23:00	23:30	0:30	INSTALL I	ROTATING HI	EAD , FILL I	PIPE	RECEL	/ED	ВІТ	7 7/8		1.00
23:30	00:00	0:30	TRIP IN H	OLE @10596				0007	TURBINE	6"		48.03
00:00	02:30	2.30	REAM F/	10596 - 10819			JAN 04	2007	хо	6"		1.57
02:30	06:00	3:30	DRLG F/ 1	10819 - 10870		- DIV	OF OIL, GAS	& MINING	1-IBS	7 7/8		6.60
0							. Of OIL, and	a mining	15-DC	6"		446.89
0												
			MESAVE	RDE	9341'	-1529'						
			CASTLE	GATE	12016'	1146'						
			GRASSY		12401'	1531'	•		TOTAL BH	A =		504.09
			SUNNYS	IDE	12551'	1681'			Survey	2		10819'
			TD		13166'	2296'	BOILEF	24	Survey			
P/U	223	K#	LITH:	50% SS, 50	% SH- CAF	RB MAT LOC	OSE		BKG GAS			220
S/O	203	K#	FLARE:				SAS BUSTER	NO NO	CONN GAS	5		300
ROT.	213	K#	LAST CS	G. RAN:	8 5/8"	SET@	3564' KB		PEAK GAS	3		2850
FUEL	Used:	1640	On Hand:	49	14	Co. Man	Rick Felker		TRIP GAS			5600
	ONDITION	ICS	ocs	DC	LOC	B/S	G	ODC	RP			
] 1	1	no	а	Х	<u> </u>	NO	TRUN			



CONFIDENTIAL TIOS RIDE 3-20 43-013-33087

AFE # 40158

	==							4144655				4-
Well: Current O			Permit De	pth: 13250	Prog. Dept		Date: OUT OF H	1/1/2007 IOLE	Days Since	Spud:		17
Depth:	11273'		123	D Hrs:	17	AV ROP:	7.2	Formation:	I OWE	R MES	SA VF	RDF
Deptii.	\$3,5		TMC:	D 1113.	\$58,252	INT INOT .	TDC:	\$41,976	cwc:		1,382	
Contracto		ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE C		INTANGIBL			
MW:	ı	#1 PZ-9	2.2 gpm	Bit #:	5		Conductor:	\$ -	Loc,Cost:		\$	-
VIS:	41	SPM:	100	Size:	7 7/8		Surf. Csg:	\$ -	Rig Move:		\$	-
PV/YP:	12/21	#2 PZ-9	2.2 gpm	Туре:	K503		Int. Csg:	\$ -	Day Rate:		\$	22,000
Gel:	10/33/50		100	MFG:	STC		Prod Csg:	\$ -	Rental Tools:		\$	2,500
WL:	11	GPM:	436	S/N:	JW9280		Float Equp:	\$ -	Trucking:		\$	-
Cake:	1/32	Press:	3000	Jets:	1.50		Well Head:	\$ -	Water:		\$	-
Solids:	8.2	AV DC:	411	TD Out:	11273		TBG/Rods:	\$ -	Fuel:		\$	-
мвт:	13.2	AV DP:	222	Depth In:	10819		Packers:	\$ -	Mud Logger:		\$	850
PH:	9.0	JetVel:	116	FTG:	454		Tanks:	\$ -	Logging:		\$	-
Pf/Mf:	.2/6.5	ECD:	10.35	Hrs:	44		Separator:	\$ -	Cement:		\$	_
Chlor:	3000	SPR #1 :	50/280	FPH:	10.3		Heater:	\$ -	Bits:		\$	_
Ca:	100	SPR #2 :	40/200	W OB:	6/10		Pumping L/T:	\$ -	Mud Motors:		\$	6,750
Dapp ppb:	5.2	Btm.Up:	47	R-RPM:	50		Prime Mover:	\$ -	Corrosion:		\$	-
Time Brea	ak Down:		Total D.T.	M-RPM:	1200		Misc:	\$ -	Consultant:		\$	1,000
START	END	TIME	3	1	otal Rot. Hrs:	300.5	Daily Total:	\$ -	Drilling Mud:		\$	3,506
06:00	10:00	4:00	DRLG F/11	1150 - 11177		(27`@	6.75FPH)		Misc. / Labor:		\$	4,400
10:00	11:00	1:00	WORK ON	PUMPS ,RE	CALBRATE	W/ EPOCH	- SWAB		Turbine opera	tor	\$	970
11:00	16:00	5:00	DRLG F/ 1	1177 - 11209		(32@ 6	6.4FPH)		Daily Total	:	\$	41,976
16:00	16:30	0:30	RIG SERV	ICE					Cum. Wtr:		\$	10,665
16:30	17:30	1:00	DRLGF/ 11	209 - 11215		(6` @ 6	SFPH)		Cum. Fuel		\$	106,054
17:30	18:00	0:30	WORK ON	PUMPS - CA	AP GASKET	S			Cum. Bits:		\$	38,000
18:00	00:30	6:30	DRLG F/ 1	1215 - 11267		(52`@8	3.6 FPH)			BH/	<u> </u>	
00:30	01:00	0:30	WORK ON	PUMP - SW	AB				ВІТ	7 7/8		1.00
01:00	01:30	0:30	DRLG F/ 1	1267 -11273		(6`@1	2FPH)		TURBINE	6"		48.03
01:30	04:00	2:30	CHECK AL	L SURFACE	EQUIPMEN	IT FOR PRE	SSURE LOSS	3	хо	6"		1.57
04:00	06:00	2:00	TRIP OUT	OF HOLE - P	ULLED WE	T -CHECK F	FOR CRACK		1-IBS	7 7/8		6.60
0								-REC	₽₩ED	6"		446.89
0	:											-
			MESAVE		9341'	-1932'		JAN	4 2007			
			CASTLEG	SATE	12016'	743'		DIV OF OIL	MINIM & PAS	JC J		
			GRASSY		12401'	1128'		DIV. OF OIL,				504.09
			SUNNYSI	DE	12551'	1278'			Survey	2		10819'
			TD		13166'	1893'		24	Survey			
P/U		K#	LITH:	70% SS, 30 °					BKG GAS			550
S/O		K#	FLARE:	2` FLARE/2N			SAS BUSTER	YES	CONN GAS		~	1000
ROT.		K#	LAST CSG		8 5/8"	SET @	3564' KB	·	PEAK GAS			3500
	Used:	2713 ICS	On Hand: OCS	77(DC	LOC	Co. Man B/S	Rick Felker G	ODC	TRIP GAS			N/A
BIT#4CC	DNDITION	100	- 555	50		5/0		350	1 11			



CONFIDENTIAL TIOS RIDES-20 43-013-33087

AFE # 40158

	WEE	0.46.45	D	-4b - 40050	Dean Deat	h. 42400	Detail	4/2/2007	Dave Since	Caud.		18
Well: Current C	WRF 32-2 Operations		Permit De	oth: 13250	Prog. Dept	n: 13166	Date: DRLG	1/2/2007	Days Since	Spua:		10
Depth:	11342'		69	D Hrs:	12	AV ROP:		Formation:	LOWE	R MES	A VE	RDE
DMC:	\$2,1		TMC:		\$60,410		TDC:	\$40,380	CWC:		1,451	
Contracte		ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE C	OST	INTANGIBL	E COS	Γ	
MW:	9.9	#1 PZ-9	2.2 gpm	Bit #:	5		Conductor:	\$ -	Loc,Cost:		\$	-
VIS:	46	SPM:	100	Size:	7 7/8		Surf. Csg:	\$ -	Rig Move:		\$	-
PV/YP:	15/20	#2 PZ-9	2.2 gpm	Туре:	K503		int. Csg:	\$ -	Day Rate:		\$	22,000
Gel:	10/32/44	SPM:	100	MFG:	STC		Prod Csg:	\$ -	Rental Tools:		\$	2,500
WL:	10.4	GPM :	436	S/N:	JW9280		Float Equp:	\$ -	Trucking:		\$	_
Cake:	1/32	Press:	3000	Jets:	1.50		Well Head:	\$ -	Water:		\$	_
Solids:	8.6	AV DC:	411	TD Out:	11273		TBG/Rods:	\$ -	Fuel:		\$	-
MBT:	12	AV DP:	222	Depth In:	10819		Packers:	\$ -	Mud Logger:		\$	850
PH:	9.0	JetVel:	116	FTG:	523		Tanks:	\$ -	Logging:		\$	
Pf/Mf:	.2/5.9	ECD:	10.43	Hrs:	56		Separator:	\$ -	Cement:		\$	-
Chlor:	3000	SPR #1 :	50/280	FPH:	9.3		Heater:	\$ -	Bits:		\$	1,794
Ca:	100	SPR #2 :	40/200	WOB:	6/10		Pumping L/T:	\$ -	Mud Motors:		\$	3,000
Dapp ppb:	4.8	Btm.Up:	47	R-RPM:	50		Prime Mover:	\$ -	Motor Stand b	У	\$	300
Time Bre	ak Down:		Total D.T.	M-RPM:	1200		Misc:	\$ -	Consultant:		\$	1,000
START	END	TIME	3	٦	otal Rot. Hrs:	313.0	Daily Total:	\$ -	Drilling Mud:		\$	3,506
06:00	12:00	6:00	CONT. TO	OH - LAY DO	WN ONE J	r. DP - 5 JT	S ABOVE DC's	i	Misc. / Labor:		\$	4,400
			TOOH ALL	THE WAY O	UT LOOK A	T BIT AND	TURBIN. OK		Turbine opera	tor	\$	1,030
12:00	14:00	2:00	TIH				*		Daily Total:	:	\$	40,380
14:00	14:30	0:30	FILL PIPE	@ 5736					Cum. Wtr:		\$	10,665
14:30	16:30	2:00	TIH						Cum. Fuel		\$	106,054
16:30	17:00	0:30	REAM 11	209 TO 1128	0				Cum. Bits:		\$	78,022
17:00	22:00	5:00	DRLG 112	73' TO 1130)3' (30' @ 6	FPH)				BHA	١	
22:00	22:30	0:30	WORK ON	PUMP					BIT	7 7/8		1.00
22:30	04:30	6:00	DRLG 113	03' TO 113	37' (34' @ 5	5.6 FPH)	·-··		TURBINE	6"		48.03
04:30	05:00	0:30	WORK ON	PUMP	· · · · · ·				хо	6"		1.57
05:00	06:00	1:00	DRLG 113	37' TO 1134	12' (5'@5	FPH)		RFCE	VED	7 7/8		6.60
					2·			1411.04	15-DC	6"		446.89
								JAN 0 4	2007			
								IV. OF OIL, GA	C & MINING			
-			CASTLEG	ATE	12016'	674'		IV. UF UIL, GA				
			GRASSY		12401'	1059'			TOTAL BH			504.09
			SUNNYSI	DE	12551'	1209'			Survey	2		10819'
			TD		13166'	1824'		24	Survey		-	
P/U	235	K#		70% SS, 30	% SH- CAR	B MAT LOC			BKG GAS			550
S/O	210	K#		2`			GAS BUSTER	YES	CONN GAS			2200
ROT.	220	K#	LAST CSG		8 5/8"	SET @	3564' KB		PEAK GAS			4100
FUEL	Used:	2111 ICS	On Hand:	559 DC	96 LOC	Co. Man B/S	Scott Alired G	ODC	TRIP GAS			4100
BIT#4C	ONDITION	100	000			2,0	 					



TIOS RIDENTIAL TIOS RIDES-20 43-013-33087

AFE # 40158

				AFE # 40130 GPS - N. 39° 55 53.8 W. 110° 01 44					<u> </u>			
Well:			Permit De	pth: 13250	Prog. Dept	th: 13166	Date:	1/3/2007	Days Since	Spud:		19
	Operation	 		I	4-	I.v.n.		I				
Depth:	11400'		58	D Hrs:	15	AV ROP:	3.9	Formation:		ER MES		
DMC:	·	217	TMC:	l	\$64,627	EL LUDO	TDC:	\$41,076	CWC:		1,470,2	.91
Contract	T	ors 270		Mud Co:	M-I DRLG		TANGIBLE C		INTANGIB	LE COS		
MW:	10	#1 PZ-9	***	Bit #:	5	6	Conductor:	\$ -	Loc,Cost:		\$	
VIS:	43	SPM:	100	Size:	7 7/8	7 7/8	Surf. Csg:	\$ -	Rig Move:		\$	
PV/YP:	1	#2 PZ-9		Туре:	K503	M616F	Int. Csg:	\$ -	Day Rate:			22,000
Gel:	15/36/47	SPM:	100	MFG:	STC	STC	Prod Csg:	\$ -	Rental Tools:		\$	2,500
WL:	10.4	GPM:	436	S/N:	JW9280	JW4645	Float Equp:	\$ -	Trucking:		\$	-
Cake:	1/32	Press:	3000	Jets:	1.50	3X18-3X13	Well Head:	\$ -	Water:		\$	-
Solids:	9.2	AV DC:	411	TD Out:	11400		TBG/Rods:	\$ -	Fuel:		\$	-
мвт:	12.6	AV DP:	222	Depth In:	10819	11400	Packers:	\$ -	Mud Logger:		\$	850
PH :	9.0	JetVel:	116	FTG:	581		Tanks:	\$ -	Logging:		\$	-
Pf/Mf:	.2/5.9	ECD:	10.6	Hrs:	71		Separator:	<u>\$ -</u>	Cement:		\$	
Chlor:	3000	SPR #1 :	50/280	FPH:	8.2		Heater:	\$ -	Bits:		\$	1,740
Ca:	120	SPR #2 :	40/200	wов:	6/10		Pumping L/T:	\$ -	Mud Motors:		\$	3,750
Dapp ppb:	4.9	Btm.Up:	48	R-RPM:	50/60		Prime Mover:	\$ -	Motor Stand I	by	\$	300
Time Bre	ak Down:		Total D.T.	M-RPM:	1150		Misc:	\$ -	Consultant:		\$	1,000
START	END	TIME	3		Total Rot. Hrs:	328.0	Daily Total:	\$ -	Drilling Mud:		\$	3,506
06:00	13:00	7:00	DRLG 113	342' TO 1136	68' (26'@	3.7 FPH)			Misc. / Labor:	1	\$	4,400
13:00	13:30	0:30	RIG SERV	ICE					Turbine opera	ator	\$	1,030
13:30	17:30	4:00	DRLG 113	368' TO 1138	31 ' (13' @	3.2 FPH)			Daily Total	:	\$	41,076
17:30	18:00	0:30	WORK ON	PUMP					Cum. Wtr:	,	\$	10,665
18:00	22:00	4:00	DRLG 113	81' TO 1140	00'(19'@	4.7 FPH)			Cum. Fuel		\$ 1	06,054
22:00	22:30	0:30	DROP SUI	RVEY 1 3/4 °					Cum. Bits:		\$	98,239
22:30	03:00	4:30	TOOH FO	R PDC BIT						BHA	\	
03:00	04:30	1:30	STAND BA	CK TURBIN	AND MU BI	Т			віт	7 7/8		1.00
04:30	06:00	1:30	TIH			F	RECEIVE	ED	N/B IBS			4.51
							JAN 0 4 200	17	1 DC			29.47
							27-11-1 0 1 20 0)T	1-IBS	7 7/8		6.56
						DIV. O	FOIL GAS & I	MINING	20-DC			598.83
				·····							·	
			CASTLEG	ATE	12016'	616'						
			GRASSY		12401'	1001'			TOTAL BH	 A =		640.37
			SUNNYSI	DE	12551'	1151'			Survey	2	10	819'
		24.00		_	13185'	1785'	BOILER	24	Survey	1 3/4°		400'
P/U	235	K#	LITH:	50% SS. 50.9			SE, TR COL S		BKG GAS			500
S/O	210	K#	FLARE:	3' TO 5'			GAS BUSTER		CONN GAS	 S		500
ROT.	220	K#	LAST CSG		8 5/8"	SET @	3564' KB		PEAK GAS			150
FUEL	Used:	2380	On Hand:	32		Co. Man	Scott Allred		TRIP GAS			. 50
	ONDITION	ICS	OCS	DC	LOC	B/S	G	ODC	RP	TRI	PFOR	PDC
DII # 4 C	אטוווטא	1	1	NO	Α	Х	1	NO	PR	HR.G	ASS C	SAUGE



T105 R17E 5-90 43-013-33887 GPS- N. 39° 55' 53.8" W. 110° 01' 44.2"

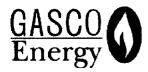
			T			7 40158	1	010 - 14.5	9° 55' 53.8"	77. 110	01	44.2
Well:			Permit De	pth: 13250	Prog. Dept	th: 13166	Date:	1/5/2007	Days Since	Spud:		21
Current (Operation					T	DRLG					
Depth:	11779'	Prog:	193	D Hrs:	23 1/2	AV ROP:	8.2	Formation:	LOW	ER MES	SA VE	RDE
DMC:	\$3,	547	TMC:		\$71,047		TDC:	\$35,586	CWC:	\$	1,623	,058
Contract	or: Nat	ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE C	OST	INTANGIB	LE COS	T	
MW:	10.2	#1 PZ-9	2.2 gpm	Bit #:	6		Conductor:	\$ -	Loc,Cost:		\$	-
VIS:	51	SPM:	100	Size:	7 7/8		Surf. Csg:	\$ -	Rig Move:		\$	_
PV/YP:	18/24	#2 PZ-9	2.2 gpm	Туре:	M616F		Int. Csg:	\$ -	Day Rate:		\$	22,000
Gel:	15/36/55	SPM:	100	MFG:	STC		Prod Csg:	\$ -	Rental Tools:		\$	2,500
WL:	8.8	GPM:	436	S/N:	JW4645		Float Equp:	\$ -	Trucking:		\$	_
Cake:	1/32	Press:	1800	Jets:	3X18-3X13		Well Head:	\$ -	Water:		\$	-
Solids:	10.8	AV DC:	411	TD Out:			TBG/Rods:	\$ -	Fuel:	1	\$	-
мвт:	14.8	AV DP:	222	Depth In:	11400		Packers:	\$ -	Mud Logger:		\$	850
PH :	9.0	JetVel:	123	FTG:	379		Tanks:	\$ -	Logging:		\$	-
Pf/Mf:	.2/5.9	ECD:	10.8	Hrs:	42 1/2		Separator:	\$ -	Cement:		\$	-
Chlor:	3000	SPR #1 :	50/300	FPH:	8.9		Heater:	\$ -	Bits:		\$	-
Ca:	120	SPR #2 :	40/250	wов:	6/10		Pumping L/T:	\$ -	Mud Motors:		\$	-
Dapp ppb:	4.9	Btm.Up:	49	R-RPM:	50/60		Prime Mover:	\$ -	Motor Stand	by	\$	300
Time Bre	ak Down:		Total D.T.	M-RPM:	1150		Misc:	\$ -	Consultant:		\$	1,000
START	END	TIME	3		Total Rot. Hrs:	370.5	Daily Total:	\$ -	Drilling Mud:		\$	3,506
06:00	14:00	8:00	DRLG 118	586' TO 1166	4'(78'@	9.7 FPH)			Misc. / Labor:		\$	4,400
14:00	14:30	0:30	RIG SERI\	/CE				,	Turbine opera	ator	\$	1,030
14:30	06:00	15:30	DRLG 116	64' TO 117	79 ' (115' @	② 7.4 FPH)		Daily Total	:	\$	35,586
									Cum. Wtr:		\$	17,856
									Cum. Fuel		\$	129,252
							=		Cum. Bits:		\$	107,739
						RI	ECEIVE	D		BHA	\	
							AN 0 5 2007	,	BIT	7 7/8		1.00
							11 0 3 Z007		N/B IBS			4.51
						DIV. OF	OIL, GAS & M	NING	1 DC			29.47
									1-IBS	7 7/8		6.56
									20-DC			598.83
											<u> </u>	
								W.A.				
			CASTLEG	ATE	12016'	237'						
			GRASSY		12401'	622'			TOTAL BH	A =		640.37
			SUNNYSI	DE	12551'	772'			Survey	2	1	0819'
		24.00	TD		13185'	1406'	BOILER	24	Survey	1 3/4°	1	1400'
P/U	245	K#	LITH:	50% SS, 50 °	% SH- CAR	B MAT LOC	SE, TR COL	SH	BKG GAS			1500
S/O	210	K#	FLARE:	3' TO 15'			GAS BUSTER	YES	CONN GAS	5	2	2500
ROT.	230	K#	LAST CSG	. RAN:	8 5/8"	SET@	3564' KB		PEAK GAS		4	4150
FUEL	Used:	2380	On Hand:	321		Co. Man	Scott Allred		TRIP GAS			
BIT#6CC	ONDITION	ICS	ocs	DC	LOC	B/S	G	ODC	RP			
								Ī	1	i		



TIOS RITE 5-20 43-013-33087

AFE # 40158

Wall	WRF 32-20-10-17 Permit		D	-11 400-5			<u> </u>		1	VV. 110		
Well:	WRF 32- Operation		Permit De	ptn: 13250	Prog. Dep		Date:	1/6/2007 UMP	Days Sinc	e Spud:		22
Depth:	11803'	1	24	D Hrs:	4	AV ROP:	6.0	Formation:	IOW	ER MES	SA VI	FRDE
DMC:		968	TMC:	.12	\$75,015	IN INOP.	TDC:	\$37,306	cwc:			0,364
Contract		oors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE C		INTANGIB			-,
MW:	10.2	#1 PZ-9	2.2 gpm	Bit #:	6	RR7	Conductor:	\$ -	Loc,Cost:		\$	-
VIS:	51	SPM:	100	Size:	7 7/8	7 7/8	Surf. Csg:	\$ -	Rig Move:		\$	-
PV/YP:	23/22	#2 PZ-9	2.2 gpm	Туре:	M616F	K503	Int. Csg:	\$ -	Day Rate:		\$	22,000
Gel:	14/30/47	SPM:	100	MFG:	STC	STC	Prod Csg:	\$ -	Rental Tools	•	\$	2,500
WL:	7.8	GPM:	436	S/N:	JW4645	JW9280	Float Equp:	\$ -	Trucking:		\$	-
Cake:	1/32	Press:	1800	Jets:	3X18-3X13	1.50	Well Head:	\$ -	Water:		\$	-
Solids:	10.8	AV DC:	411	TD Out:	11792		TBG/Rods:	\$ -	Fuel:		\$	-
мвт:	14.6	AV DP:	222	Depth In:	11400	11792	Packers:	\$ -	Mud Logger:		\$	850
PH :	9.0	JetVel:	123	FTG:	392	11	Tanks:	\$ -	Logging:		\$	-
Pf/Mf:	.2/5.7	ECD:	10.8	Hrs:	46 1/2	4	Separator:	\$ -	Cement:		\$	
Chlor:	5000	SPR #1 :	50/300	FPH:	8.4	2.8	Heater:	\$ -	Bits:		\$	720
Ca:	140	SPR #2 :	40/250	wов:	6/10	10-May	Pumping L/T:	\$ -	Mud Motors:		\$	1,000
Dapp ppb:	4.9	Btm.Up:	50	R-RPM:	50/80	50/65	Prime Mover:	\$ -	Motor Stand	by	\$	300
Time Bre	ak Down:		Total D.T.	м-крм:		1150	Misc:	\$ -	Consultant:		\$	1,000
START	END	TIME	3		Total Rot. Hrs:	374.5	Daily Total:	\$ -	Drilling Mud:		\$	3,506
06:00	10:00	4:00	DRLG 117	779' TO 1179	2'(13'@	3.2 FPH)			Misc. / Labor	:	\$	4,400
10:00	10:30	0:30	DROP SR	UVEY & BLO	W DOWN K	ELLY	11792' - 2°		Turbine opera	ator	\$	1,030
10:30	16:00	5:30	TOOH FO	R TURBIN					Daily Total	:	\$	37,306
16:00	17:30	1:30	CHANGE (OUT BIT AND	ВНА				Cum. Wtr:		\$	17,856
17:30	19:30	2:00	TIH				RHEESELA	WHED	Cum. Fuel		\$	129,252
19:30	21:00	1:30		SLIP DRLG L	INE		!JAN 0 8	2007	Cum. Bits:		\$	108,459
21:00	22:00	1:00	TIH					2001		BHA	<u> </u>	
22:00	22:30	0:30	FILL PIPE	@ 6400'		D	IV. OF OIL, GA	S & MINING	BIT	7 7/8		1.00
22:30	00:30	2:00	TIH						TURBINE	6"		48.03
00:30	01:30	1:00	FILL PIPE	AND REAM 1	O BOTTOM	(NO FILL)	i wan		хо	6"		1.57
01:30	05:30	4:00	DRLG 117	'92' TO 1180	3'(11'@	2.7 FPH)			1-IBS	7 7/8		6.60
05:30	06:00	0:30	WORK ON	PUMP					15-DC	6"		446.89
												
			CASTLEG	SATE	12016'	213'						
			GRASSY		12401'	598'	· · · · · · · · · · · · · · · · · · ·		TOTAL BH	A =		504.09
			SUNNYSI	DE	12551'	748'			Survey	1 3/4°	1	1400'
		24.00	TD		13185'	1382'	BOILER	24	Survey	2°	1	1792'
P/U	245	K#	LITH:	70% SS, 30 °	% SH- CAR	B MAT LOC	SE, TR COL S	SH	BKG GAS			2000
S/O	210	K#	FLARE:	3' TO 10'			GAS BUSTER	YES	CONN GAS	3		2400
ROT.			LAST CSG			SET @	3564' KB		PEAK GAS	1		2400
FUEL	Used:		On Hand:	321		Co. Man	Scott Allred				2100	
BIT#6CC	NOITION	ICS 1	OCS 2	DC WT	LOC N	B/S X	G I	ODC NO	RP PR			
			_				·		L			



TIOS RIDE São 43-013-33087 GPS- N. 39° 55' 53.8" W. 110° 01' 44.2"

						40130		GF3 - N. 3		VV. 110		
Well:			Permit De	pth: 13250	Prog. Dept	h: 13166	Date:	1/7/2007	Days Since	Spud:		23
Current C	Operations	s:		т		ı	DRLG					
Depth:	11872'	Prog:	69	D Hrs:	21 1/2	AV ROP:	3.2	Formation:	T	R MES		
DMC:	\$3,8	394	TMC:		\$78,909		TDC:	\$46,481	CWC:			,755
Contract	or: Nab	ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE C	OST	INTANGIBL	E COS	<u> </u>	
MW:	10.1	#1 PZ-9	2.2 gpm	Bit #:	RR 7		Conductor:	\$ -	Loc,Cost:		\$	-
vis:	48	SPM:	100	Size:	7 7/8		Surf. Csg:	\$ -	Rig Move:		\$	_
PV/YP:	20/24	#2 PZ-9	2.2 gpm	Туре:	K503		Int. Csg:	\$ -	Day Rate:		\$	22,000
Gel:	15/37/56	SPM:	100	MFG:	STC		Prod Csg:	\$ -	Rental Tools:		\$	2,500
WL:	8	GPM:	436	S/N:	JW9280		Float Equp:	\$ -	Trucking:		\$	
Cake:	1/32	Press:	3308	Jets:	1.50		Well Head:	\$ -	Water:		\$	
Solids:	10.8	AV DC:	411	TD Out:			TBG/Rods:	\$ -	Fuel:		\$	
мвт:	13.8	AV DP:	222	Depth In:	11792		Packers:	\$ -	Mud Logger:		\$	850
PH:	9.0	JetVel:	111	FTG:	80		Tanks:	\$ -	Logging:		\$	-
Pf/Mf:	.2/6	ECD:	10.7	Hrs:	25 1/2		Separator:	\$ -	Cement:		\$	_
Chlor:	3000	SPR #1 :	50/300	FPH:	3.1		Heater:	\$ -	Bits:		\$	5,520
Ca:	100	SPR #2 :	40/250	WOB:	6/12		Pumping L/T:	<u>\$</u> -	Mud Motors:		\$	5,375
Dapp ppb:	5.1	Btm.Up:	50	R-RPM:	50/65		Prime Mover:	\$ -	Motor Stand b	у	\$	300
Time Bre	ak Down:		Total D.T.	M-RPM:	1150		Misc:	\$ -	Consultant:		\$	1,000
START	END	TIME	4		Total Rot. Hrs:	400.0	Daily Total:	\$ -	Drilling Mud:		\$	3,506
06:00	20:00	14:00	DRLG 118	303' TO 1184	7' (44'@	3.1 FPH)			Misc. / Labor:		\$	4,400
20:00	20:30	0:30	RIG SERV	ICE					Turbine opera	itor	\$	1,030
20:30	22:30	2:00	WORK ON	PUMP					Daily Total	: 	\$	46,481
22:30	06:00	7:30	DRLG 118	347' TO 1187	2' (25'@	3.3 FPH)			Cum. Wtr:		\$	17,856
									Cum. Fuel		\$	151,870
									Cum. Bits:		\$	140,391
						PEC	EIVED			BHA	\	
									ВІТ	7 7/8		1.00
						JAN	<u> 8 2007</u>		TURBINE	6"		48.03
									хо	6"		1.57
					(XV. OF OIL,	GAS & MINING		1-IBS	7 7/8		6.60
									15-DC	6"		446.89
			CASTLEC	SATE	12016'	144'						
			GRASSY		12401'	529'		-	TOTAL BH	A =		504.09
			SUNNYSI	DE	12551'	679'			Survey	1 3/4°		11400'
		24.00	TD		13185'	1313'	BOILER	24	Survey	2°		11792'
P/U	245	K#	LITH:	60% SS, 40	% SH- CAF	RB MAT LOC	OSE, TR COL S	SH	BKG GAS			1800
S/O	220	K#	FLARE:	3' TO 10'			GAS BUSTER	YES	CONN GAS	3		2100
ROT.	230	K#	LAST CSG	S. RAN:	8 5/8"	SET@	3564' KB		PEAK GAS			2700
FUEL	Used:	2572	On Hand:	99	35	Co. Man	Scott Allred		TRIP GAS			
BIT # 7-RR	CONDITIO	ICS	ocs	DC	LOC	B/S	G	ODC	RP			
						L	L		l	<u> </u>		



TIOS RIDE 5-20 43-013-33080

AFE # 40158

43-013-33087 GPS- N. 39° 55' 53.8" W. 110° 01' 44.2"

						# 40136		GPS - N. 3	9, 55, 53.8.	<u> </u>	U" U1	44.2"
Well:			Permit De	epth: 13250	Prog. Dep		Date:	1/8/2007	Days Sind	e Spud:		24
	Operation			<u></u>			ORK ON P	1	· · · · · · · · · · · · · · · · · · ·			
Depth:		Prog:	88	D Hrs:	21 1/2	AV ROP:	4.1	Formation:		ER ME	SA V	ERDE
DMC:		,351	TMC:	1	\$83,260		TDC:	\$48,001	CWC:			9,756
Contract		bors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE (INTANGIE	SLE COS	ST_	
MW:	10.1	#1 PZ-9		Bit #:	RR 7		Conductor:	\$ -	Loc,Cost:		\$	
VIS:	44	SPM:	100	Size:	7 7/8		Surf. Csg:	<u> </u>	Rig Move:		\$	-
PV/YP:	17/21	#2 PZ-9		Туре:	K503		Int. Csg:	\$ -	Day Rate:		\$	22,000
Gel:	10/27/40	SPM:	100	MFG:	STC		Prod Csg:	\$ -	Rental Tools	:	\$	2,500
WL:	8	GPM:	436	S/N:	JW9280	<u> </u>	Float Equp:	<u> </u>	Trucking:		\$	-
Cake:	1/32	Press:	3308	Jets:	1.50		Well Head:	\$ -	Water:		\$	_
Solids:	9	AV DC:	411	TD Out:			TBG/Rods:	\$ -	Fuel:		\$	
мвт:	10	AV DP:	222	Depth in:	11792		Packers:	\$ -	Mud Logger:		\$	850
PH :	9.0	JetVel:	111	FTG:	168		Tanks:	\$ -	Logging:		\$	_
Pf/Mf:	.2/5.6	ECD:	10.7	Hrs:	47		Separator:	\$ -	Cement:		\$	-
Chlor:	3000	SPR #1 :	50/300	FPH:	3.6		Heater:	\$ -	Bits:		\$	7,040
Ca:	100	SPR #2 :	40/250	w ов:	6/12		Pumping L/T:	\$ -	Mud Motors:		\$	5,375
Dapp ppb:	4.7	Btm.Up:	50	R-RPM:	50/65		Prime Mover:	\$ -	Motor Stand	by	\$	300
Time Bre	ak Down:		Total D.T.	M-RPM:	1150		Misc:	\$ -	Consultant:		\$	1,000
START	END	TIME	6		Total Rot. Hrs:	421.5	Daily Total:	\$ -	Drilling Mud:		\$	3,506
06:00	08:00	2:00	DRLG 118	872' TO 1187	79 ' (7' @ :	3.5 FPH)			Misc. / Labor	:	\$	4,400
08:00	08:30	0:30	RIG SERV	/ICE					Turbine oper	ator	\$	1,030
08:30	12:30	4:00	DRLG 118	879' TO 1189	98'(19'@	4.7 FPH)			Daily Tota	l:	\$	48,001
12:30	13:30	1:00	WORK ON	PUMP					Cum. Wtr:		\$	17,856
13:30	15:30	2:00	DRLG 118	398' TO 1191	12 ' (14'@	7 FPH)		-	Cum. Fuel		\$	151,870
15:30	16:00	0:30	WORK ON	PUMP					Cum. Bits:		\$	147,431
16:00	05:30	13:30	DRLG 119	912' TO 1196	60 ' (48'@	3.5 FPH)				BHA	١	
05:30	06:00	0:30	WORK ON	I PUMP					віт	7 7/8		1.00
							CEIVE)	TURBINE	6"		48.03
									хо	6"		1.57
						JA	N 0 8 2007		1-IBS	7 7/8		6.60
						HW OF C	CAC 0 AGA		15-DC	6"		446.89
							HE, GAS & MIN	ING				
			CASTLEG	ATE	12016'	56'						
			GRASSY		12401'	441'			TOTAL BH	A =		504.09
			SUNNYSI	DE	12551'	591'		::	Survey	1 3/4°		11400'
		24.00	TD		13185'	1225'	BOILER	24	Survey	2°		11792'
P/U	245	K#	LITH:	60% SS, 40	% SH- CAR	B MAT LOC	SE, TR COL S	SH	BKG GAS			1800
S/O	220	K#		3' TO 10'			GAS BUSTER		CONN GAS	3		2100
ROT.	230	K#	LAST CSG	. RAN:	8 5/8"	SET@	3564' KB	-	PEAK GAS			2700
FUEL	Used:											
IT # 7-RR C	CONDITIO	ICS	ocs	DC	LOC	B/S	G	ODC	RP			



CONFIDENTIAL TIOS RIPE S-20

AFE # 40158

イ子 013ー 3308り GPS - N. 39° 55' 53.8" W. 110° 01' 44.2"

Well:			Permit De	pth: 13250	Prog. Dept		Date:	1/9/2007	Days Since	Spud:		25
Current	Operation	T .	<u>L</u>	Ŧ			RK ON P	I				
Depth:	11997'		37	D Hrs:	10	AV ROP:	3.7	Formation:	1	ER MES	_	
DMC:	\$6,		TMC:		\$90,072		TDC:	\$37,666	CWC:			6,382
Contract	tor: Nat	ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE C	OST	INTANGIB	LE COS		
MW:	10.2	#1 PZ-9	2.2 gpm	Bit#:	RR 7	1	Conductor:	\$ -	Loc,Cost:		\$	
VIS:	41	SPM:	100	Size:	7 7/8		Surf. Csg:	\$ -	Rig Move:		\$	
PV/YP:	15/20	#2 PZ-9	2.2 gpm	Туре:	K503		Int. Csg:	\$ -	Day Rate:		\$	22,000
Gel:	12/28/34	SPM:	100	MFG:	STC		Prod Csg:	\$ -	Rental Tools:		\$	2,500
WL:	7.8	GPM:	436	S/N:	JW9280		Float Equp:	\$ -	Trucking:		\$	
Cake:	1/32	Press:	3308	Jets:	1.50		Well Head:	\$ -	Water:		\$	_
Solids:	8.8	AV DC:	411	TD Out:			TBG/Rods:	\$ -	Fuel:		\$	_
мвт:	10	AV DP:	222	Depth In:	11792		Packers:	\$ -	Mud Logger:	,	\$	850
PH:	9.0	JetVel:	111	FTG:	205		Tanks:	\$ -	Logging:		\$	-
Pf/Mf:	.2/6.4	ECD:	10.7	Hrs:	57		Separator:	\$ -	Cement:		\$	-
Chlor:	3000	SPR #1 :	50/300	FPH:	3.6		Heater:	\$ -	Bits:		\$	1,480
Ca:	120	SPR #2 :	40/250	WOB:	6/12		Pumping L/T:	\$ -	Mud Motors:		\$	2,500
Dapp ppb:	5.3	Btm.Up:	51	R-RPM:	50/65		Prime Mover:	\$ -	Motor Stand I	ру	\$	300
Time Bre	ak Down:		Total D.T.	M-RPM:	1150		Misc:	\$ -	Consultant:		\$	1,000
START	END	TIME	19.5	1	Γotal Rot. Hrs:	431.5	Daily Total:	\$ -	Drilling Mud:		\$	3,506
06:00	07:00	1:00	DRLG 119	960' TO 1196	3' (3' @ 3	3 FPH)			Misc. / Labor:		\$	2,500
07:00	07:30	0:30	RIG SERV	ICE					Turbine opera	ator	\$	1,030
07:30	08:00	0:30	DRLG 119	963' TO 1196	5' (2' @ 4	4 FPH)			Daily Total	:	\$	37,666
08:00	09:30	1:30	WORK ON	PUMP					Cum. Wtr:		\$	17,856
09:30	16:00	6:30	DRLG 119	965' TO 1199	1' (26' @	4 FPH)			Cum. Fuel		\$	151,870
16:00	23:00	7:00	TRIP TO S	HOE TO WO	RK ON PU	/IPS AND#	1 MOTOR		Cum. Bits:		\$	141,671
23:00	24:00	1:00	WORK ON	PUMP AND	MOTOR #1					BHA	١.	
24:00	04:00	4:00	TIH						ВІТ	7 7/8		1.00
04:00	06:00	2:00	DRLG 119	991' TO 1199	7' (6' @	3 FPH)		- D	TURBINE	6"		48.03
							ECEIVE	:ט	хо	6"		1.57
						J	JAN 0 9 200	17	1-IBS	7 7/8		6.60
				•				•	15-DC	6"		446.89
						۷. 0۱√ز	OIL, GAS & N	INING				
			CASTLEG	SATE	12016'	19'		·				
			DESERT		12276'	279'						
			GRASSY		12401'	404'			TOTAL BH	A =		504.09
			SUNNYSI		12551'	554'	, , , , , , , , , , , ,		Survey	1 3/4°		11400'
		24.00	TD		13185'	1188'	BOILER	24	Survey	2°		11792'
P/U	245	K#	LITH:	80% SS, 20			SE, TR COL	SH	BKG GAS		•	2500
S/O	220	K#	FLARE:	3' TO 8' DRL			GAS BUSTER		CONN GAS	3		2800
ROT.	230	K#	LAST CSG	_	8 5/8"	SET @	3564' KB		PEAK GAS			3850
FUEL	Used:	2174	On Hand:	449		Co. Man	Scott Allred		TRIP GAS			
	CONDITIO	ics	ocs	DC	LOC	B/S	G	ODC	RP			
,,, 4, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	CONDITION							I				



CONFIDENTIAL TIOS RIVES-20 43-013-33087

AFE # 40158

												-
			Permit Dep	th: 13250	Prog. Depti	1: 13166	Date: NG ON MO	1/10/2007 TORS	Days Since	Spud:		26
Current C	perations								LOWE	R MESA	A 1/E	PDE
Depth:	12016'			D Hrs:		AV ROP:		Formation:			.852	
DMC:	\$6,2	217	TMC:		\$96,289		TDC:	\$36,321	CWC: INTANGIBL			,700
Contracto	or: Nab	ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE CO					
MW:	10.2	#1 PZ-9	2.2 gpm	Bit #:	RR 7		Conductor:		Loc,Cost:		<u>\$</u> \$	
VIS:	64	SPM:	100	Size:	7 7/8		Surf. Csg:	\$ -	Rig Move:			00,000
PV/YP:	22/28	#2 PZ-9	2.2 gpm	Туре:	K503		Int. Csg:	\$ -	Day Rate:		\$	22,000
Gel:	15/42/60	SPM:	100	MFG:	STC		Prod Csg:	\$ -	Rental Tools:		\$	2,500
WL:	8	GPM :	436	S/N:	JW9280		Float Equp:	\$ -	Trucking:		\$	
Cake:	1/32	Press:	3308	Jets:	1.50		Well Head:	\$ -	Water:		\$	
Solids:	9.8	AV DC:	411	TD Out:			TBG/Rods:	\$ -	Fuel:		\$	
мвт:	12	AV DP:	222	Depth In:	11792		Packers:	\$ -	Mud Logger:		\$	850
PH :	9.0	JetVel:	111	FTG:	224		Tanks:	\$ -	Logging:		\$	———
Pf/Mf:	.2/6.4	ECD:	10.9	Hrs:	64 1/2		Separator:	<u>\$ -</u>	Cement:		\$	
Chlor:	3000	SPR #1 :	50/300	FPH:	3.5		Heater:	<u> </u>	Bits:		\$	760
Ca:	120	SPR #2 :	40/250	WOB:	6/12		Pumping L/T:	<u> </u>	Mud Motors:		\$	1,875
Dapp ppb:	5	Btm.Up:	51	R-RPM:	50/65		Prime Mover:	<u> </u>	Motor Stand b	У	\$	300
Time Bre	ak Down:		Total D.T.	M-RPM:	1150		Misc:	\$ -	Consultant:		\$	1,000
START	END	TIME	35.5	T	otal Rot. Hrs:	439.0	Daily Total:	<u>\$ -</u>	Drilling Mud:		\$	3,506
06:00	12:30	6:30	DRLG 11997' TO 12015' (18' @ 2.7 FPH)						Misc. / Labor:		\$	2,500
12:30	13:00	0:30	RIG SERVICE						Turbine opera	tor	\$	1,030
13:00	16:00	3:00	WORK ON	I#1 MOTOR					Daily Total:		\$	36,321
16:00	17:00	1:00	DRLG 120)15' TO 1201	6' (1' @	1 FPH)			Cum. Wtr:	··-	\$	17,856
17:00	18:00	1:00	WORK ON	I#1 MOTOR					Cum. Fuel		\$	151,870
18:00	06:00	12:00	TRIP OUT	TO SHOE AN	ID WAIT OI	N PARTS F	OR MOTOR		Cum. Bits:		\$	142,431
						<u> </u>				BHA	<u> </u>	
						RE(CEIVED		ВІТ	7 7/8		1.00
									TURBINE	6"	-	48.03
						JAN	1 0 2007		хо	6"		1.57
						- 			1-IBS	7 7/8		6.60
						DIV. OF OI	L, GAS & MININ	IG	15-DC	6"		446.89
			CASTLE	SATE	12016'	0	1		<u> </u>			
			DESERT		12276'	260	'					
			GRASSY		12401'	385	j'		TOTAL BH			504.09
			SUNNYS	IDE	12551'	535	j'		Survey	1 3/4°		11400'
		24.00	TD		13185'	1169	BOILER	24	Survey	2°	<u> </u>	11792'
P/U	245	K#	LITH:	80% SS, 20	% SH- CAI	RB MAT LO	OSE, TR COL	SH	BKG GAS			2500
s/o	220	K#						YES	CONN GA	<u>s</u>		2800
ROT.	230	K#	LAST CS	G. RAN:	8 5/8"	SET@	3564' KB		PEAK GAS	<u> </u>		3850
FUEL	Used:	2774	On Hand:		25	Co. Man	Scott Allred		TRIP GAS			
	RCONDITIO	ICS	ocs	DC	LOC	B/S	G	ODC	RP			
1 " " (- IXI	, 001101110	1	[1		1						



CONFIDENTIAL TIOS RIDE S-20 43-013-33089

AFE # 40158

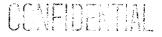
Well:			Permit De	pth: 13250	Prog. Dep	th: 13166	Date:	1/11/2007	Days Since	Spud:		27
	Operations		<u> </u>	1		T	DRLG	1				
Depth:	12040'		24	D Hrs:	15 1/2	AV ROP:	1.5	Formation:		ASTLE		
DMC:	\$2,4		тмс:		\$98,725		TDC:	\$61,719	CWC:			4,422
Contract	or: Nab	ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE C		INTANGIBI	LE COS	<u>T</u>	
MW:	10.3	#1 PZ-9		Bit #:	RR 7		Conductor:	\$ -	Loc,Cost:		\$	-
VIS:	42	SPM:	100	Size:	7 7/8		Surf. Csg:	<u> </u>	Rig Move:		\$	
PV/YP:	15/20	#2 PZ-9	2.2 gpm	Туре:	K503		Int. Csg:	\$ -	Day Rate:		\$	22,000
Gel:	11/30/47	SPM:	100	MFG:	STC		Prod Csg:	<u>\$ -</u>	Rental Tools:		\$	2,500
WL:	8	GPM:	436	S/N:	JW9280		Float Equp:	\$ -	Trucking:		\$	-
Cake:	1/32	Press:	3308	Jets:	1.50		Well Head:	\$ -	Water:		\$	-
Solids:	9.8	AV DC:	411	TD Out:			TBG/Rods:	\$ -	Fuel:		\$	23,198
мвт:	12	AV DP:	222	Depth In:	11792		Packers:	\$ -	Mud Logger:		\$	850
PH :	9.0	JetVel:	111	FTG:	248	<u> </u>	Tanks:	\$ -	Logging:		\$	-
Pf/Mf:	.2/6.4	ECD:	10.9	Hrs:	80		Separator:	\$ -	Cement:		\$	_
Chlor:	3000	SPR #1 :	50@450	FPH:	3.1		Heater:	\$ -	Bits:		\$	960
Ca:	100	SPR #2 :	40@375	WOB:	6/12		Pumping L/T:	\$ -	Mud Motors:		\$	3,875
Dapp ppb:	5.2	Btm.Up:	51	R-RPM:	50/65		Prime Mover:	\$ -	Motor Stand b	ру	\$	300
Time Bre	ak Down:		Total D.T.	м-крм:	1150		Misc:	\$ -	Consultant:		\$	1,000
START	END	TIME	35.5		Total Rot. Hrs:	454.5	Daily Total:	\$ -	Drilling Mud:		\$	3,506
06:00	13:30	7:30	WORK ON TURBO # 1 MOTOR, TIH , Misc. / Labor: \$ 2							2,500		
13:30	14:00										1,030	
14:00	14:30	0:30	REAM TO	воттом					Daily Total	:	\$	61,719
14:30	06:00	15:30	DRLG 12	016' - 12040)' (24' @ 1	I.5 FPH)			Cum. Wtr:		\$	17,856
									Cum. Fuel		\$	175,068
									Cum. Bits:		\$	143,391
						RI	ECEIVE	\overline{C}		BHA	\ \ \	
									ВІТ	7 7/8		1.00
						Ji	AN 1 1 2007		TURBINE	6"		48.03
						א אוע סב	OIL, GAS & MI	AUMO	хо	6"		1.57
						UIV. UF	UIL, UAS & WIII	NING	1-IBS	7 7/8		6.60
									15-DC	6"		446.89
											-	
			CASTLEC	ATE	12016'	-24'						
			DESERT		12276'	236'						
			GRASSY		12401'	361'			TOTAL BH	A =		504.09
			SUNNYSI	DE	12551'	511'	 	-	Survey	1 3/4°		11400'
		24.00	TD		13185'	1145'		24	Survey	2°		11792'
P/U	245		LITH:	50% SS 50			SE, TR COL S		BKG GAS			2900
S/O			FLARE:	3' TO 15' TR			GAS BUSTER		CONN GAS			3000
ROT.			LAST CSG		8 5/8"	SET @	3564' KB		PEAK GAS	~~~		3150
FUEL	Used:		On Hand:	860		Co. Man	Scott Allred		TRIP GAS			3.00
		ICS	OCS	DC	LOC	B/S	G	ODC	RP			
BIT # 7-RR	CONDITIO											



T103 R19E 5-20 43-013-33089

AFE # 40158

					/\ L= 17	40100		GPS - N. 38	00 00.0	777. 1.10	
Well:	WRF 32-2	20-10-17	Permit De	pth: 13250	Prog. Dept	h: 13166	Date:	1/12/2007	Days Since	Spud:	28
Current (Operations	s:					DRLG	T			
Depth:	12123'	Prog:	83	D Hrs:	10 1/2	AV ROP:	7.9	Formation:		ASTLEG	
DMC:	\$2,4	436	TMC:		\$101,161		TDC:	\$41,856	CWC:		956,278
Contract	or: Nab	ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE C	OST	INTANGIBL		
MW:	10.3	#1 PZ-9	3.6 gpm	Bit #:	RR 7	8	Conductor:	\$ -	Loc,Cost:		\$
VIS:	42	SPM:	114	Size:	7 7/8	7 7/8	Surf. Csg:	\$ -	Rig Move:		\$ -
PV/YP:	15/20	#2 PZ-9	3.6 gpm	Туре:	K503	509Z	Int. Csg:	\$ -	Day Rate:		\$ 22,000
Gel:	11/30/47	SPM:	0	MFG:	STC	HTC	Prod Csg:	\$ -	Rental Tools:		\$ 2,500
WL:	8	GPM:	421	S/N:	JW9280	7111492	Float Equp:	\$ -	Trucking:		\$ -
Cake:	1/32	Press:	1750	Jets:	1.50	6X16-2X10	Well Head:	\$ -	Water:		\$ -
Solids:	9.8	AV DC:	411	TD Out:	12043		TBG/Rods:	\$ -	Fuel:		\$ -
мвт:	12	AV DP:	222	Depth In:	11792	12043	Packers:	\$ -	Mud Logger:		\$ 850
PH:	9.0	JetVel:	111	FTG:	251	80	Tanks:	\$ -	Logging:	(\$ -
Pf/Mf:	.2/6.4	ECD:	10.9	Hrs:	82 1/2	8	Separator:	\$ -	Cement:		\$ -
Chlor:	3000	SPR #1 :	50@450	FPH:	3.0	10.0	Heater:	\$ <u>-</u>	Bits:		\$ 9,500
Ca:	100	SPR #2 :	40@375	WOB:	6/12	25	Pumping L/T:	\$ -	Mud Motors:	,	\$ -
Dapp ppb:	5.2	Btm.Up:	51	R-RPM:	50/65	50/60	Prime Mover:	\$ -	Motor Stand b	у	\$ -
Time Bre	ak Down:		Total D.T.	M-RPM:	1150	N/A	Misc:	\$ -	Consultant:	;	\$ 1,000
START	END	TIME	43	7	otal Rot. Hrs:	465.0	Daily Total:	\$ -	Drilling Mud:		\$ 3,506
06:00	08:30	2:30	DRLG 12	040' - 12043	' (3' @ '	1.2 FPH)			Misc. / Labor:		\$ 2,500
08:30	09:00	0:30	PUMP PIL	L AND BLOW	DOWN KE	LLY	· · · · · · · · · · · · · · · · · · ·		Turbine opera	tor	\$ -
09:00	13:30	4:30	TOOH FO	R BIT					Daily Total		\$ 41,856
13:30	15:00	1:30	LAY DOW	N TURBIN AN	ID CHANGE	OUT BHA	PDC BIT		Cum. Wtr:		\$ 17,856
15:00	18:00	3:00	TIH						Cum. Fuel		\$ 175,068
18:00	18:30	0:30	FILL PIPE	6083					Cum. Bits:		\$ 152,891
18:30	21:00	2:30	TIH							BHA	
21:00	22:00	1:00	REAM TO	BOTTOM 119	989 TO 120)43' 8' C	OUT OF GAUG	E HOLE	ВІТ	7 7/8	1.00
22:00	06:00	8:00	DRLG 12	043' - 12123	' (80' @	10 FPH)			N/B STB		4.51
							RECEIV	ED_	1 - DC		29.47
							1411.4.0.6		IBS		6.6
							JAN 1 2 2	:UU <i>7</i>	1-DC		31.06
						עוח	OF OIL, GAS	2.MINING	IBS		6.56
						DIVI	or ore, ario (X WIII Y II Y C	19-DC's		567.10
			DESERT		12276'	153'					
			GRASSY		12401'	278'			TOTAL BH	A =	646.30
			SUNNYS	IDE	12551'	428'			Survey	1 3/4°	11400'
		24.00	TD		13185'	1062'	BOILER	24	Survey	2°	11792'
P/U	250	K#	LITH:	70% SS, 30	% SH-				BKG GAS		2900
S/O	220	K#	FLARE:	3' TO 15' TR			GAS BUSTER	YES	CONN GAS	3	3000
ROT.	230	K#	LAST CSC		8 5/8"	SET @	3564' KB		PEAK GAS		3150
FUEL	Used:	1781	On Hand:	68		Co. Man	Scott Allred		TRIP GAS		
	CONDITIO	ICS	ocs	DC	LOC	B/S	G	ODC	RP		
, , , , , , , , , , , , , , , , , , ,	30.4511101	2	2	WT	Α	Х	1/8	NO	PR		





TIOS RIDE 5-20 43-013-33087

AFE # 40158

-						40136		GPS - N. 3		VV. 110	
Well:			Permit De	pth: 13250	Prog. Dept	th: 13166	Date:	1/13/2007	Days Since	Spud:	29
Current (Operations	I		I		T	DRLG	T			
Depth:	12185'	Prog:	62	D Hrs:		AV ROP:	6.5	Formation:		ASTLEG	
DMC:	\$		TMC:	T	\$101,161		TDC:	\$41,856	CWC:		998,134
Contract	or: Nab	ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE C	OST	INTANGIBL	_E COST	
MW:	10.1	#1 PZ-9	3.6 gpm	Bit #:	8	9	Conductor:	\$ -	Loc,Cost:		-
VIS:	54	SPM:	114	Size:	7 7/8	7 7/8	Surf. Csg:	\$ -	Rig Move:		-
PV/YP:	20/30	#2 PZ-9	3.6 gpm	Туре:	509Z	560zx+	Int. Csg:	\$ -	Day Rate:		22,000
Gel:	15/35/42	SPM:	0	MFG:	HTC	HTC	Prod Csg:	\$ -	Rental Tools:		2,500
WL:	8.4	GPM:	421	S/N:	7111492	7114428	Float Equp:	\$ -	Trucking:		-
Cake:	1/32	Press:	1750	Jets:	6X16-2X10	6X16	Well Head:	\$ -	Water:		<u>-</u>
Solids:	10	AV DC:	392	TD Out:	1216		TBG/Rods:	\$ -	Fuel:		<u>-</u>
MBT:	12	AV DP:	212	Depth In:	12043	12162	Packers:	\$ -	Mud Logger:		850
PH:	9.0	JetVel:	106	FTG:	119	23	Tanks:	\$ -	Logging:		<u>-</u>
Pf/Mf:	.2/6.4	ECD:	10.8	Hrs:	15	2.5	Separator:	\$ -	Cement:		
Chlor:	3000	SPR #1 :	50@450	FPH:	7.9	9.2	Heater:	\$ -	Bits:		9,500
Ca:	100	SPR #2 :	40@375	WOB:	25	20	Pumping L/T:	\$ -	Mud Motors:		<u>-</u>
Dapp ppb:	5	Btm.Up:	54	R-RPM:	50/65	50	Prime Mover:	\$ -	Motor Stand b	у (-
Time Bre	ak Down:		Total D.T.	M-RPM:	N/A	N/A	Misc:	\$ -	Consultant:		1,000
START	END	TIME	43	1	Total Rot. Hrs:	474.5	Daily Total:	\$ -	Drilling Mud:		3,506
06:00	13:00	7:00	DRLG 12	123' TO 1216	62' (39'@		Misc. / Labor:		2,500		
13:00	13:30	0:30	DROP SU	RVEY 2°			Turbine opera	tor S	-		
13:30	18:30	5:00	TOOH FO	R BIT (NOT	IGHT HOLE	.)			Daily Total	: 9	41,856
18:30	19:30	1:00	CHANGE	OUT BIT					Cum. Wtr:		17,856
19:30	21:00	1:30	TIH						Cum. Fuel		175,068
21:00	22:30	1:30	CUT AND	SLIP DRLG L	INE				Cum. Bits:		162,391
22:30	03:00	4:30	TIH FILL F	PIPE @ 6622'				· ·		ВНА	
03:00	03:30	0:30	REAM 121	17' TO 12162	' (NO FILL	.)			ВІТ	7 7/8	1.00
03:30	06:00	2:30	DRLG 121	62' TO 1218	5' (23' @ 9	9.2 FPH)			N/B STB		4.51
						RE	CEIVED		1 - DC		29.47
									IBS		6.6
						JAI	1 6 2007		1-DC		31.06
						חוא טב טו	L, GAS & MINI	NC	IBS		6.56
					_	- DIV. OI OI	E, GAO G MINI	NG	19-DC's		567.10
			DESERT		12276'	91'					
			GRASSY		12401'	216'			TOTAL BH	A =	646.30
			SUNNYSI	DE	12551'	366'			Survey	2°	11792'
		24.00	TD		13185'	1000'	BOILER	24	Survey	2°	12150'
P/U	250	K#	LITH:	90% SS, 10	% SH-				BKG GAS		2500
S/O	220	K#	FLARE:	3' TO 15' TR			GAS BUSTER	YES	CONN GAS	<u> </u>	2800
ROT.	230	K#		LAST CSG. RAN: 8 5/8" SET @ 3564' KB					PEAK GAS		3400
FUEL	Used:	1781							TRIP GAS		
	ONDITION	ICS	ocs	DC	LOC	B/S	G	ODC			
# 0 0	DI 11014	1	2	WT	S	X]	NO	PR	Ī	



TIOS RIPE 5-20 43-013-33087

AFE # 40158

<u> </u>				A L //	40136		GF3 - N. 3		77. 110		
Well:	WRF 32-2	0-10-17	Permit Dep	oth: 13250	Prog. Dept	h: 13166	Date:	1/18/2007	Days Since	Spud:	30
Current C	Operations					T	DRLG				
Depth:	12413'	Prog:	228	D Hrs:	23 1/2	AV ROP:	9.7	Formation:	r	GRASS	
DMC:	\$2,5	35	TMC:		\$103,696		TDC:	\$31,356	CWC:	_	030,502
Contract	or: Nab	ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE C	OST	INTANGIBL		
MW:	10.1	#1 PZ-9	3.6 gpm	Bit#:	9		Conductor:	\$ -	Loc,Cost:		<u>-</u>
VIS:	54	SPM:	114	Size:	7 7/8		Surf. Csg:	\$ -	Rig Move:		<u>-</u>
PV/YP:	21/24	#2 PZ-9	3.6 gpm	Туре:	560zx+		Int. Csg:	\$	Day Rate:		\$ 22,000
Gel:	15/35/42	SPM:	0	MFG:	HTC		Prod Csg:	\$ -	Rental Tools:		\$ 1,500
WL:	8.6	GPM:	410	S/N:	7114428		Float Equp:	\$ -	Trucking:		<u>-</u>
Cake:	1/32	Press:	1750	Jets:	6X16		Well Head:	\$ -	Water:		<u> -</u>
Solids:	10	AV DC:	389	TD Out:			TBG/Rods:	<u> </u>	Fuel:		<u> -</u>
мвт:	12	AV DP:	210	Depth In:	12162		Packers:	\$	Mud Logger:		\$ 850
PH:	9.0	JetVel:	105	FTG:	251		Tanks:	\$ -	Logging:		<u> -</u>
Pf/Mf:	.2/6	ECD:	10.7	Hrs:	26		Separator:	\$ -	Cement:		<u> -</u>
Chlor:	3000	SPR #1 :	50@450	FPH:	9.7		Heater:	\$ -	Bits:		<u> </u>
Ca:	100	SPR #2 :	40@375	wов:	25/28		Pumping L/T:	<u> </u>	Mud Motors:		<u> </u>
Dapp ppb:	5	Btm.Up:	55	R-RPM:	50	<u> </u>	Prime Mover:	\$ -	Corrosion:		\$ <u>-</u>
Time Bre	ak Down:		Total D.T.	M-RPM:	N/A		Misc:	<u> </u>	Consultant:		\$ 1,000
START	END	TIME	43	1	Total Rot. Hrs:	498.0	Daily Total:	\$ -	Drilling Mud:		\$ 3,506
06:00	12:30	6:30	DRLG 121	85' TO 1224	44' (59' @	9 FPH)			Misc. / Labor:		\$ 2,500
12:30	13:00	0:30	RIG SERV	ICE			·		Csg. Crew:		\$ <u>-</u>
13:00	06:00	17:00	DRLG 122	44' TO 124	13' (169' @	9.9 FPH)			Daily Total:		\$ 31,356
				<u> </u>					Cum. Wtr:		\$ 17,8 <u>5</u> 6
									Cum. Fuel	·	\$ 175,068
									Cum. Bits:		\$ 162,391
	<u> </u>								<u> </u>	BHA	******
				<u> </u>		RE	CEIVED		BIT	7 7/8	1.00
							N 1 6 0007		N/B STB		4.5
						JA	N 1 6 2007		1 - DC		29.4
						DNI AET	DIL, GAS & MIN	HN/2	IBS		6.
						DIV. OF C	AL, GAS & MIII		1-DC	 	31.0
									IBS		6.5
									19-DC's		567.1
			DESERT		12276'	-137					
	<u> </u>		GRASSY		12401'	-12			TOTAL BH	T	646.3
			SUNNYS	IDE	12551'	138		2 04	Survey	2°	11792'
		24.00	TD		13185'	772	BOILER	R 24	Survey	2°	12150'
P/U	250	K#	LITH:	90% SS, 10	% SH-				BKG GAS		2500
S/O	220	K#	FLARE:	3' TO 15' TR	RIP GAS		GAS BUSTE	R YES	CONN GAS		2800
ROT.	230	K#	LAST CSC		8 5/8"	SET@	3564' KB		PEAK GAS	<u> </u>	3400
FUEL	Used:	2165	On Hand:		813	Co. Man	Scott Allred		TRIP GAS		
BIT # 9 C	CONDITION	ICS	ocs	DC	LOC	B/S	G	ODC	NF		
		1	l	<u> </u>	1						

43-013-33081





Utah Division of Oil, Gas and Mining 1594 W Temple North, Ste. 1210 Salt Lake City UT 84114-5801 Jan. 23, 2007

Re: Mudlog

Dear Sir:

Enclosed please find:

• 1 Final Print of the Mudlog for Gasco Production Company's Wilkin Ridge Federal 32-20-10-17 well.

If you have any questions or comments on the Mudlogs, please contact either Tad Jones or me at 303-289-7764.

Sincerely yours,

Columbine Logging, Inc.

Craig R. Gander Chief Geologist

RECEIVED
JAN 2 5 2007

DIV. OF OIL, GAS & MINING

Well Logging and Geological Consulting 9844 Titan Court, Unit 6, Littleton CO 80125 Phone 303-289-7764 Fax 303-648-4491 www.columbinelogging.com



TIOS RIPE 5-20 43-013-33087

AFE # 40158

37 -										
		Permit Dep	th: 13250	Prog. Dept	h: 13166		1/14/2007	Days Since	Spud:	31
1		· · ·		· · · · · · · · · · · · · · · · · · ·						
12535'	Prog:	122	D Hrs:							
\$4,8	34	TMC:		\$108,530						36,250
r: Nab	ors 270	,;;	Mud Co:	M-I DRLG	FLUIDS	TANGIBLE CO	ST	INTANGIBL		
10.2	#1 PZ-9	3.6 gpm	Bit#:	9		Conductor:	\$ -	Loc,Cost:		
47	SPM:	114	Size:	7 7/8		Surf. Csg:	\$ -	Rig Move:		
16/26	#2 PZ-9	3.6 gpm	Туре:	560zx+		Int. Csg:	\$ -	Day Rate:		22,000
15/35/42	SPM:	0	MFG:	HTC		Prod Csg:	<u> </u>	Rental Tools:		1,500
8.6	GPM :	420	S/N:	7114428		Float Equp:	\$ -	Trucking:		
1/32	Press:	1750	Jets:	6X16		Well Head:	\$ -	Water:	\$	
10	AV DC:	396	TD Out:			TBG/Rods:	\$ -	Fuel:	\$	
12	AV DP:	214	Depth In:	12162		Packers:	\$ -	Mud Logger:	\$	850
9.0	JetVel:	107	FTG:	373		Tanks:	\$ -	Logging:	\$	
.2/6	ECD:	10.8	Hrs:	49 1/2		Separator:	\$ -	Cement:	\$	
3000	SPR #1 :	50@450	FPH:	7.5		Heater:	\$ -	Bits:	\$	_
100	SPR #2 :	40@375	WOB:	25/28		Pumping L/T:	\$ -	Mud Motors:	\$	_
	Btm.Up:	55	R-RPM:	50		Prime Mover:	\$ -	Corrosion:	\$	100
k Down:		Total D.T.	M-RPM:	N/A		Misc:	\$ -	Consultant:	\$	1,000
END	TIME	43		Total Rot. Hrs:	521.5	Daily Total:	\$ -	Drilling Mud:	\$	3,506
15:00	9:00	DRLG 124	13' TO 12	467 ' (54' @	6 FPH)			Misc. / Labor:	\$	2,500
									\$	-
06:00	14:30			2535 ' (68' @	5 FPH)			Daily Total:	\$	31,456
								Cum. Wtr:	\$	17,856
					***			Cum. Fuel	\$	199,260
								Cum. Bits:	\$	162,391
									ВНА	
								BIT	7 7/8	1.00
								N/B STB		4.51
					DE			1 - DC		29.47
					- AE	OCIVED		IBS		6.6
	L		-		JAI	V 1 6 2007	***	1-DC		31.06
	<u></u>							IBS		6.56
					DIV. OF OI	L, GAS & MININ	IG	19-DC's		567.10
										
								TOTAL BH	A =	646.30
		SUNNYS	DE	12551'	16'			Survey	2°	11792'
	24.00						24	Survey	2°	12150'
250			70% 88 2					<u> </u>		2050
				5 /6 OII-		GAS BUSTER	YES			2850
				g 5/g"	SET @					3000
					-					
used:	ICS	On Hand:	DC	LOC	B/S	G	ODC	I RP		
NOITION	105	l OO3	00	=00						
	### style="background-color: blue;" ### style="background-color: blu	erations: 12535' Prog: \$4,834 : Nabors 270 10.2 #1 Pz-9 47 SPM: 16/26 #2 Pz-9 5/35/42 SPM: 8.6 GPM: 1/32 Press: 10 AV DC: 12 AV DP: 9.0 JetVel: 2/6 ECD: 3000 SPR #1: 100 SPR #2: 5 Btm.Up: **C Down:** END TIME 15:00 9:00 15:30 0:30 06:00 14:30 24.00 250 K# 220 K# 230 K#	12535' Prog: 122	12535' Prog: 122 D Hrs: \$4,834 TMC:	### Prog:	### Programment	Programme Prog	Program 122 D Hrs 23 1/2 AV ROP 5.2 Formation 5 12535' Prog 122 D Hrs 23 1/2 AV ROP 5.2 Formation 5 12535' Prog 122 D Hrs 23 1/2 AV ROP 5.2 Formation 5 12535' Prog Pr	Part Progress Progress 122 D Hrs: 23 1/2 AV ROP: 5.2 Formation: TDC: \$31,456 CWC: \$34,834 TMC: \$108,530 TDC: \$31,456 CWC: \$34,456 CWC: \$84,834 TMC: \$108,530 TDC: \$31,456 CWC: \$31,456 CWC: \$84,834 TMC: \$108,530 TDC: \$31,456 CWC: \$10.2 \$19.29 3.6 gpm Bit #: 9 Conductor: \$ - Loc,Cost: \$10.2 \$19.29 3.6 gpm Bit #: 9 Conductor: \$ - Loc,Cost: \$10.2 \$19.29 3.6 gpm Bit #: 9 Conductor: \$ - Loc,Cost: \$10.2 \$19.29 \$1.00 \$1.0	



TIOS RIPE 5-20 43-013-33089

AFE # 40158

					7 11 7	40136		GP3 - N. 38				
Well:			Permit De	pth: 13250	Prog. Dept	h: 13166	Date:	1/16/2007	Days Since	Spud:		32
Current (Operations	I		I		T	DRLG	<u> </u>				
Depth:	12650'		T	D Hrs:		AV ROP:	4.9	Formation:		SUNNYS		
DMC:	\$17,	128	TMC:		\$125,658		TDC:	\$43,078	CWC:			,328
Contract	or: Nab	ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE C	OST	INTANGIBL	E COST		
MW:	10.2	#1 PZ-9	3.6 gpm	Bit #:	9		Conductor:	\$ -	Loc,Cost:		\$	
VIS:	44	SPM:	114	Size:	7 7/8		Surf. Csg:	\$ -	Rig Move:		\$	-
PV/YP:	15/29	#2 PZ-9	3.6 gpm	Туре:	506zx+		Int. Csg:	\$ -	Day Rate:		\$	22,000
Gel:	15/35/41	SPM:	0	MFG:	HTC		Prod Csg:	<u> </u>	Rental Tools:		\$	1,500
WL:	8.6	GPM:	420	S/N:	7114428		Float Equp:	\$ -	Trucking:		\$	-
Cake:	1/32	Press:	1750	Jets:	6X16		Well Head:	\$ -	Water:		\$	-
Solids:	10	AV DC:	385	TD Out:			TBG/Rods:	\$ -	Fuel:		\$	
мвт:	12	AV DP:	208	Depth In:	12162		Packers:	\$ -	Mud Logger:		\$	850
PH:	9.0	JetVel:	104	FTG:	488		Tanks:	\$ -	Logging:		\$	
Pf/Mf:	.2/6	ECD:	10.9	Hrs:	73		Separator:	\$ -	Cement:		\$	-
Chlor:	3000	SPR #1 :	50@450	FPH:	6.7		Heater:	\$ -	Bits:		\$	-
Ca:	100	SPR #2 :	40@375	WOB:	20/35		Pumping L/T:	\$ -	Mud Motors:		\$	
Dapp ppb:	5	Btm.Up:	57	R-RPM:	50/75		Prime Mover:	\$ -	Corrosion:		\$	100
Time Bre	ak Down:		Total D.T.	M-RPM:	N/A		Misc:	\$ -	Consultant:		\$	1,000
START	END	TIME	43		Total Rot. Hrs:	545.0	Daily Total:	\$ -	Drilling Mud:	,	\$	17,128
06:00	18:00	12:00	DRLG 125	35' TO 125	36 ' (51 ' @	4.25 FPH)		Misc. / Labor:		\$	500
18:00	18:30	0:30	RIG SERVICE- FUNCTION BOP						Csg. Crew:		\$	
18:30	06:00	11:30	DRLG 125	86' TO 126	50 ' (64 ' @	5.5 FPH)			Daily Total	:	\$	43,078
									Cum. Wtr:		\$	17,856
									Cum. Fuel		\$	199,260
									Cum. Bits:		\$	162,391
										ВНА		
					V. 1997				ВІТ	7 7/8		1.00
									N/B STB			4.51
						REC	EIVED	····	1 - DC			29.47
							1 6 2007		IBS			6.6
						2/1/1	· 0 ZUU/		1-DC			31.06
						DIV OF OIL	GAS & MINING	`	IBS			6.56
					·				19-DC's			567.10
						·······						
						171	***		TOTAL BH	A =		646.30
			KENILWO	ORTH	12791'	141'			Survey			
		24.00	TD		13185'	535'	BOILER	24	Survey			
P/U	260	K#	LITH:	70% SS, 30	% SH-				BKG GAS			2050
S/O	230	K#	FLARE:	4' to 8'			GAS BUSTER	YES	CONN GAS	3	ne	egligible
ROT.	248	K#	LAST CSG	S. RAN:	8 5/8"	SET@	3564' KB		PEAK GAS			3100
FUEL	Used:	2179	On Hand:	65		Co. Man	Scott Alired		TRIP GAS			
BIT#9C	ONDITION	ICS	ocs	DC	LOC	B/S	G	ODC	RP			
		l	<u> </u>	L		<u>i</u>		<u> </u>		L		



TIOS RIPE 5-20 43-013-33087

AFE # 40158

	67				AFE #	40158		GP3 - N. 38	55 53.8	VV. 110 0	1 44.2
Well:	WRF 32-2	0-10-17	Permit De	oth: 13250	Prog. Dept	h: 13166		1/17/2007	Days Since	Spud:	33
Current C	perations	:					DRLG				
Depth:	12731'	Prog:	81	D Hrs:	23 1/2	AV ROP:	3.4	Formation:		UNNYSIE	
DMC:	\$5,8	26	TMC:		\$131,484		TDC:	\$42,949	CWC:		72,277
Contract	or: Nab	ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE CO	OST	INTANGIBL		
MW:	10.2	#1 PZ-9	3.6 gpm	Bit #:	9		Conductor:	\$ -	Loc,Cost:	\$	
VIS:	47	SPM:	114	Size:	7 7/8		Surf. Csg:	\$ -	Rig Move:	\$	
PV/YP:	15/25	#2 PZ-9	3.6 gpm	Туре:	506zx+		Int. Csg:	\$ -	Day Rate:	\$	22,000
Gel:	15/35/41	SPM:	0	MFG:	HTC		Prod Csg:	\$ -	Rental Tools:	\$	1,500
WL:	8.6	GPM:	416	S/N:	7114428		Float Equp:	\$ -	Trucking:	\$	360
Cake:	1/32	Press:	1750	Jets:	6X16		Well Head:	\$ -	Water:	\$	9,813
Solids:	9.5	AV DC:	392	TD Out:			TBG/Rods:	\$ -	Fuel:	\$	
MBT:	12	AV DP:	212	Depth In:	12162		Packers:	\$ -	Mud Logger:	\$	850
PH:	9.0	JetVel:	106	FTG:	569		Tanks:	\$ -	Logging:	\$	
Pf/Mf:	.2/6	ECD:	10.85	Hrs:	96 1/2		Separator:	\$ -	Cement:	\$	
Chlor:	3000	SPR #1 :	50@450	FPH:	5.9		Heater:	\$ -	Bits:	\$	-
Ca:	100	SPR #2 :	40@375	WOB:	20/35		Pumping L/T:	<u> </u>	Mud Motors:	\$	
Dapp ppb:	5	Btm.Up:	57	R-RPM:	50/75		Prime Mover:	\$ -	Corrosion:	\$	
Time Bre	ak Down:		Total D.T.	M-RPM:	N/A		Misc:	\$ -	Consultant:	\$	
START	END	TIME	43		Total Rot. Hrs:	568.5	Daily Total:	\$ -	Drilling Mud:	\$	
06:00	18:30	12:30	DRLG F/ 1	2650 - 12691		(41`@3.2	8FPH)		Misc. / Labor:	\$	1,500
18:30	19:00	0:30	RIG SERV	ICE					Csg. Crew:	\$	
19:00	06:00	11:00	DRLG F/1	2691 - 12731		(40`@3.6	FPH)		Daily Total:	<u> </u>	42,949
									Cum. Wtr:		27,669
	T								Cum. Fuel	9	
									Cum. Bits:		162,391
										BHA	
									віт	7 7/8	1.00
- "		***							N/B STB		4.51
						RE	CEIVED)	1 - DC		29.47
							N 1 7 2007		IBS		6.6
						JA	17 2007		1-DC		31.06
						DIV OF (DIL GAS & MIN	IING	IBS		6.56
									19-DC's		567.10
									<u></u>		
									TOTAL BH	A =	646.30
			KENILW	ORTH	12791'	60'			Survey		
		24.00	TD		13185'	454	BOILER	24	Survey		
P/U	265	K#	LITH:	70% SS, 30	% SH-				BKG GAS		1350
s/0	235	K#	FLARE:	4' to 8'			GAS BUSTER	YES	CONN GAS	3	2000
ROT.	250	K#	LAST CS		8 5/8"	SET @	3564' KB		PEAK GAS	<u> </u>	2660
FUEL	Used:	2137	On Hand:		373	Co. Man	RICK FELKE		TRIP GAS		
	CONDITION	ICS	ocs	DC	LOC	B/S	G	ODC	RP		
1 21 # 3 (1	<u> </u>		<u> </u>		<u> </u>	



T105 AIDE 520 43-013-33087

AFE # 40158

	37				ALL	¥ 40 100		GP3 - 14. 38		VV. 110 0.	
Well:	WRF 32-2	0-10-17	Permit Dep	th: 13250	Prog. Dept	th: 13166	Date:	1/18/2007	Days Since	Spud:	34
Current C	perations	:					DRLG				
Depth:	12816'	Prog:	85	D Hrs:	23 1/2	AV ROP:	3.6	Formation:		NILWORT	
DMC:	\$4,3	54	TMC:		\$135,838		TDC:	\$52,260	CWC:		4,537
Contracto	or: Nab	ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE C	OST	INTANGIBL		
MW:	10.2	#1 PZ-9	3.6 gpm	Bit #:	9		Conductor:	<u> </u>	Loc,Cost:	\$	
VIS:	43	SPM:	114	Size:	7 7/8		Surf. Csg:	\$ -	Rig Move:	\$	-
PV/YP:	19/23	#2 PZ-9 3	3.6 gpm	Туре:	506zx+		Int. Csg:	\$ -	Day Rate:	\$	22,000
Gel:	15/35/41	SPM:	0	MFG:	HTC		Prod Csg:	\$ -	Rental Tools:	\$	1,500
WL:	8.6	GPM:	416	S/N:	7114428		Float Equp:	\$	Trucking:	\$	
Cake:	1/32	Press:	1750	Jets:	6X16		Well Head:	\$ -	Water:	\$	-
Solids:	9	AV DC:	392	TD Out:			TBG/Rods:	\$ -	Fuel:	\$	22,456
MBT:	12	AV DP:	212	Depth In:	12162		Packers:	\$ -	Mud Logger:	\$	850
PH:	9.0	JetVel:	106	FTG:	654		Tanks:	\$ -	Logging:	\$	-
Pf/Mf:	.2/6	ECD:	10.85	Hrs:	120		Separator:	<u>\$</u> -	Cement:	\$	
Chlor:	3000	SPR #1 :	50@450	FPH:	5.5		Heater:	\$ -	Bits:	\$_	
Ca:	100		40@375	WOB:	20/35		Pumping L/T:	\$ -	Mud Motors:	\$_	_
Dapp ppb:	5	Btm.Up:	57	R-RPM:	50/75		Prime Mover:	\$ -	Corrosion:	\$	100
	ak Down:		Total D.T.	M-RPM:	N/A		Misc:	\$ -	Consultant:	\$	1,000
START	END	TIME	43		Total Rot. Hrs	: 568.5	Daily Total:	\$ -	Drilling Mud:	\$	4,354
06:00	12:30	6:30	DRLG F/ 1	2731 - 12754	4	(23`@3.	5FPH)		Misc. / Labor:	\$	
12:30	13:00	0:30	RIG SERVICE						Csg. Crew:	\$	-
13:00	06:00	17:00		2754 - 1281	5	(62`@3.	6FPH)		Daily Total:	: \$	52,260
									Cum. Wtr:	\$	27,669
									Cum. Fuel	\$	221,716
	<u> </u>								Cum. Bits:	\$	162,391
	1									BHA	
									віт	7 7/8	1.00
				4,	***	DE	CEWED		N/B STB		4.51
						HE.	CEIVED		1 - DC		29.47
	-					JAI	V 1 8 2007		IBS		6.6
	 				. "				1-DC		31.06
						DIV. OF O	IL, GAS & MIN	ING	IBS		6.56
		 							19-DC's		567.10
			1	<u> </u>							
	 								TOTAL BH	A =	646.30
	 	 	KENILW	ORTH	12791'	-25	1		Survey		
	 	24.00			13185'		' BOILE	R 24	Survey		
D/II	265	K#	LITH:	60% SS, 40					BKG GAS		1100
P/U	240	 K#	FLARE:	flare igniter			GAS BUSTE	R YES	CONN GA	s	1200
S/O		<u>K#</u> K#	LAST CS		8 5/8"	SET @	3564' KB		PEAK GAS	3	3100
ROT.	252	<u>K#</u> 2137	On Hand		0156	Co. Man	RICK FELK	ER	TRIP GAS		
FUEL	Used:	ICS	OCS	DC	LOC	B/S	G	ODC	RP		
BIT#90	CONDITION	' 								<u> </u>	



1103R17E5-20 43-013-33089

AFE # 40158

						40156		GP3 - N. 38		VV. 110 0	
Well:	WRF 32-2	0-10-17	Permit De	oth: 13250	Prog. Dept	h: 13166	Date:	1/19/2007	Days Since	Spud:	35
Current C	perations	s:				I	DRLG				
Depth:	12952'	Prog:	136	D Hrs:	22	AV ROP:	6.2	Formation:		NILWOR	
DMC:	\$4,9	974	тмс:		\$140,812		TDC:	\$31,934	CWC:		256,471
Contracto	or: Nab	ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE C		INTANGIBL		
MW:	10.3	#1 PZ-9	3.6 gpm	Bit #:	9		Conductor:	<u> </u>	Loc,Cost:	\$	
VIS:	41	SPM:	114	Size:	7 7/8		Surf. Csg:	<u> </u>	Rig Move:	\$	
PV/YP:	11/28	#2 PZ-9	3.6 gpm	Туре:	506zx+		Int. Csg:	\$ -	Day Rate:	\$	
Gel:	15/35/40	SPM:	0	MFG:	HTC		Prod Csg:	\$ -	Rental Tools:	\$	
WL:	8.6	GPM:	416	S/N:	7114428		Float Equp:	\$ -	Trucking:	\$	
Cake:	1/32	Press:	17 <u>50</u>	Jets:	6X16		Well Head:	\$ -	Water:	\$	
Solids:	9	AV DC:	385	TD Out:			TBG/Rods:	\$ -	Fuel:	\$	
MBT:	12	AV DP:	208	Depth In:	12162		Packers:	<u> </u>	Mud Logger:	\$	
PH:	9.0	JetVel:	104	FTG:	790		Tanks:	<u> </u>	Logging:	\$	
Pf/Mf:	.2/6	ECD:	11.03	Hrs:	142		Separator:	\$ -	Cement:	\$	
Chlor:	3000	SPR #1 :	50@450	FPH:	5.6		Heater:	<u> </u>	Bits:	\$	
Ca:	100	SPR #2 :	40@300	WOB:	38		Pumping L/T:	<u> </u>	Mud Motors:	\$	
Dapp ppb:	5	Btm.Up:	58	R-RPM:	50/70		Prime Mover:	<u> </u>	Corrosion:	\$	
Time Bre	ak Down:		Total D.T.	M-RPM:	N/A		Misc:	\$	Consultant:	1,000	
START	END	TIME	44.5		Total Rot. Hrs	590.5	Daily Total:	\$ -	Drilling Mud:	4,974	
06:00	07:00	1:00									
07:00	07:30	0:30							Csg. Crew:		
07:30	19:30	12:00	DRLG F/1	2818 -12885		(67`(@5.5FPH)		Daily Total:	:9	
19:30	21:00	1:30	PUMP RE	PAIR - PUM	P GAUGE ,(OIL ON BEL	TS		Cum. Wtr:		27,669
21:00	06:00	9:00	DRLG F/1	2885 - 12952	2		(67`@7.4FP	H)	Cum. Fuel		221,716
									Cum. Bits:		162,391
										ВНА	
			NO MUDL	OGGER ON	LOCATION	l - 15:30 - 23	:30		BIT	7 7/8	1.00
									N/B STB		4.51
									1 - DC		29.47
								-n	IBS		6.6
							ECEIVE		1-DC		31.06
, , , , , , , , , , , , , , , , , , , ,							IAN 1 9 20	107	IBS		6.56
<u> </u>									19-DC's		567.10
						DIV. C	OF OIL, GAS 8	MINING		<u> </u>	
<u> </u>									TOTAL BH	A =	646.30
	-		ABERDE	EN	12966'	14	•		Survey		
		24.00	TD		13185'	233	BOILE	R 24	Survey		
P/U	265	K#	LITH:	60% SH,40	% SLST				BKG GAS		1650
S/O	240	K#	FLARE:	2`			GAS BUSTE	R YES	CONN GAS	<u> </u>	2300
ROT.	252	K#	LAST CS		8 5/8"	SET@	3564' KB		PEAK GAS	3	4300
FUEL	Used:	2003	On Hand		153	Co. Man	RICK FELK	ER	TRIP GAS		
	CONDITION	ICS	ocs	DC	LOC	B/S	G	G ODC RP			
1011#96	NOTHUN						<u> </u>				



TIOSRIDE S-20 43-013-33087 GPS - N. 39° 55' 53.8" W. 110° 01' 44.2"

									Τ'			
Well:			Permit De	pth: 13250	Prog. Dept	h: 13166	Date:	1/20/2007	Days Since	Spud:		36
	Operations		<u> </u>	Γ		I	DRLG					
Depth:	13073'		121	D Hrs:		AV ROP:		Formation:		ABERDI		
DMC:	\$3,3		TMC:		\$144,157		TDC:	\$28,795	CWC:	*****		5,266
Contract	or: Nab	ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE C	OST	INTANGIBL	E COS		
MW:	10.3	#1 PZ-9	3.6 gpm	Bit #:	9		Conductor:	\$ -	Loc,Cost:		\$	-
vis:	41	SPM:	114	Size:	7 7/8		Surf. Csg:	\$ -	Rig Move:		\$	
PV/YP:	14/24	#2 PZ-9	3.6 gpm	Туре:	506zx+		Int. Csg:	\$ -	Day Rate:		\$	22,000
Gel:	15/35/41	SPM:	0	MFG:	HTC		Prod Csg:	\$ -	Rental Tools:		\$	1,500
WL:	8.8	GPM:	416	S/N:	7114428		Float Equp:	\$ -	Trucking:		\$	-
Cake:	1/32	Press:	1750	Jets:	6X16		Well Head:	\$ -	Water:		\$	-
Solids:	9	AV DC:	385	TD Out:			TBG/Rods:	\$ -	Fuel:		\$	-
MBT:	12	AV DP:	208	Depth In:	12162		Packers:	\$ -	Mud Logger:		\$	850
PH:	9.0	JetVel:	104	FTG:	911		Tanks:	\$ -	Logging:		\$	•
Pf/Mf:	.2/6	ECD:	10.92	Hrs:	165 1/2		Separator:	\$ -	Cement:		\$	-
Chlor:	3000			FPH:	5.5		Heater:	\$ -	Bits:		\$	•
Ca:	100			WOB:	38		Pumping L/T:	\$ -	Mud Motors:		\$	
Dapp ppb:		Btm.Up:	59	R-RPM:	50/70		Prime Mover:	\$ -	Corrosion:		\$	100
	ak Down:			M-RPM:	N/A		Misc:	\$ -	Consultant:		\$	1,000
START	END	TIME	44.5		Total Rot. Hrs:	637.5	Daily Total:	\$ -	Drilling Mud:		\$	3,345
06:00	10:00			2952 - 12977		Misc. / Labor:		\$				
10:00	10:30		RIG SERV			Csg. Crew:		\$				
10:30	06:00			2977 - 13073		(96`@4	.9FPH)		Daily Total	:	\$	28,795
10.00	00.00	10.00	<u> </u>			(44 6)			Cum. Wtr:		\$	27,669
		<u> </u>							Cum. Fuel		\$	221,716
					·				Cum. Bits:		\$	162,391
		<u> </u>								BHA		, , , , , , , , , , , , , , , , , , , ,
				···					віт	7 7/8	`	1.00
		1					·			7 770		4.51
									N/B STB			29.47
	<u> </u>					DI		`	1 - DC			
			<u></u>			KI	CEIVE	<i>.</i>	IBS			6.6
				·		<u>_</u>	AN 2 2 2007		1-DC			31.06
							2 - 200.		IBS			6.56
		ļ				DIV. OF	OIL, GAS & MI	NING	19-DC's			567.10
												040.00
									TOTAL BH	A =		646.30
							DOIL ED	24	Survey			
		24.00			13185'	112'	BOILER	24	Survey		<u>. </u>	
P/U	265	K#	LITH:	50% SH,50%	6 SS				BKG GAS			4800
S/O	245	K#	FLARE:	4`			GAS BUSTER	VENTING	CONN GAS	3		5400
ROT.	256	K#	LAST CSC	S. RAN:	8 5/8"	SET@	3564' KB		PEAK GAS)		6100
FUEL	Used:	2471	On Hand:	56		Co. Man	RICK FELKE		TRIP GAS	T		
BIT#9C	BIT # 9 CONDITION ICS			DC	LOC	B/S	G	ODC	RP			
		l			L	1	I	L	L			



T 105 R17E5-20 43-013-33081 GPS- N. 39° 55' 53.8" W. 110° 01' 44.2"

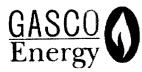
Well:			Permit De	oth: 13250	Prog. Dept		Date: OUT FOR	1/21/2007	Days Since	Spud:	37
	Operations									ABERDE	
Depth:	13180'			D Hrs:		AV ROP:	5.6 TDC:	Formation: \$29,291	CWC:		314,557
DMC:	\$3,1		TMC:		\$147,318	FLUIDS	TANGIBLE CO		INTANGIBL		314,557
Contracte	1	ors 270	·	Mud Co:	M-I DRLG	FLUIDS					
MW:			3.6 gpm	Bit #:	9		Conductor:	\$ -	Loc,Cost:		<u>-</u> 5 -
VIS:	47	SPM:	114	Size:	7 7/8		Surf. Csg:	\$ -	Rig Move:		
PV/YP:		#2 PZ-9		Туре:	506zx+		Int. Csg:	<u>\$</u> -	Day Rate:		22,000 1,500
Gel:	15/35/41	SPM:	0	MFG:	HTC		Prod Csg:	\$ -	Rental Tools:		5 1,500
WL:	8.4	GPM:	416	S/N:	7114428		Float Equp:		Trucking:		5 -
Cake:		Press:	1750	Jets:	6X16		Well Head:	\$ -	Water:		
Solids:	9.5	AV DC:	385	TD Out:	13180		TBG/Rods:	\$ -	Fuel:		5 <u>-</u> 5 850
мвт:	12	AV DP:	208	Depth In:	12162		Packers:	\$ -	Mud Logger:		
PH:	9.0	JetVel:	104	FTG:	1018		Tanks:	\$ -	Logging:		-
Pf/Mf:	.2/6	ECD:	11.29	Hrs:	184 1/2		Separator:	\$ -	Cement:		-
Chlor:	3000	SPR #1 :	50@450	FPH:	5.5	<u> </u>	Heater:	\$ -	Bits:		-
Ca:	100	SPR #2 :		WOB:	38	· · · · · · · · · · · · · · · · · · ·	Pumping L/T:	\$ -	Mud Motors:		100
Dapp ppb:	5	Btm.Up:	59	R-RPM:	50/70		Prime Mover:	\$ -	Corrosion:		\$ 100 \$ 1,000
Time Bre	ak Down:	_		M-RPM:	N/A		Misc:	\$ -	Consultant:		
START	END	TIME	44.5	1	Total Rot. Hrs:		Daily Total:	\$ -	Drilling Mud:		\$ 3,161
06:00	11:30	5:30	DRLG F/13073 - 13104 (31` @5.6FPH)						Misc. / Labor:		\$ 680
11:30	12:00	0:30		RIG SERVICE					Csg. Crew:		\$ -
12:00	01:30	13:30		3104 - 13180		(76` @5.6	SFPH)		Daily Total:		\$ 29,291
01:30	04:00	2:30		COND FOR					Cum. Wtr:		\$ 27,669
04:00	06:00	2:00	TRIP OUT	FOR LOGS,	PUMP PILL	,DROP SUI	RVEY		Cum. Fuel		\$ 221,716 \$ 462,304
	 								Cum. Bits:		\$ 162,391
				ON 1/21/07			· · · · · · · · · · · · · · · · · · ·			BHA	4.00
			RELEASE	D MUD LOGO	GERS@03:0	00 ON 1/21/0	07		BIT	7 7/8	1.00
							_		N/B STB		4.51
						\mathbb{R}	ECEIVE	D	1 - DC		29.47
	ļ	<u> </u>			 		000		IBS		6.6
	<u> </u>	<u> </u>							1-DC		31.06
		ļ							IBS	 	6.56
		<u> </u>							19-DC's		567.10
									TOTAL BU	<u> </u>	646.30
	ļ								TOTAL BH	A =	040.30
							BOILER	24	Survey		
<u> </u>		24.00			13180'	0'	BUILER	4	Survey		5000
P/U	265	K#	LITH:	80% SH,20%	<u> 6 SS</u>				BKG GAS		5000
S/O	245	K#	FLARE:	4` to 8`			GAS BUSTER	yes	CONN GAS		5400
ROT.	256	K#	LAST CS	· · · · · · · · · · · · · · · · · · ·	8 5/8"	SET @	3564' KB		PEAK GAS	<u> </u>	6800
FUEL	Used:	2116	On Hand:		66	Co. Man	RICK FELKE	R ODC	TRIP GAS		
BIT # 9 C	ONDITION	ICS	ocs	DC	LOC	B/S	+	1 000			
Ī			1	I	<u> </u>	.1		A			



T109 AINES-20 43-013-33087

GPS -	<i>U</i> N. 39	<i>'3-0 3</i> ° 55' 53.8"	3308 W. 110°	01' 44.2"
1/22/20	07	Days Since	Spud:	38

Current Operations: CIRCULATE AND CONDITION Depth: 13180' Prog: 0 D Hrs: 0 AV ROP: #DIV/0! Formation: DMC: \$3,566 TMC: \$150,884 TDC: \$320,733 CWC:	TE Spud:	\$2,63 ST	38				
Depth: 13180' Prog: 0 D Hrs: 0 AV ROP: #DIV/0! Formation: DMC: \$3,566 TMC: \$150,884 TDC: \$320,733 CWC: Contractor: Nabors 270 Mud Co: M-I DRLG FLUIDS TANGIBLE COST INTANG MW: 10.6 #1 PZ-9 3.6 gpm Bit #: 9 Conductor: \$ - Loc,Cost: VIS: 47 SPM: 114 Size: 7 7/8 Surf. Csg: \$ - Rig Move: PV/YP: 18/34 #2 PZ-9 3.6 gpm Type: 506zx+ Int. Csg: \$ - Day Rate: Gel: 15/35/41 SPM: 0 MFG: HTC Prod Csg: \$ 263,600 Rental To: WL: 8.2 GPM: 416 S/N: 7114428 Float Equp: - Trucking: Cake: 1/32 Press: 1780 Jets: 6X16 Well Head: \$ - Water: Solids: 9.5	(\$2,63 ST	5,290				
DMC: \$3,566 TMC: \$150,884 TDC: \$320,733 CWC: Contractor: Nabors 270 Mud Co: M-I DRLG FLUIDS TANGIBLE COST INTANG MW: 10.6 #1 PZ-9 3.6 gpm Bit #: 9 Conductor: \$ - Loc,Cost: VIS: 47 SPM: 114 Size: 7 7/8 Surf. Csg: \$ - Rig Move: PV/YP: 18/34 #2 PZ-9 3.6 gpm Type: 506zx+ Int. Csg: \$ - Day Rate: Gel: 15/35/41 SPM: 0 MFG: HTC Prod Csg: \$ 263,600 Rental Tot WL: 8.2 GPM: 416 S/N: 7114428 Float Equp: - Trucking: Cake: 1/32 Press: 1780 Jets: 6X16 Well Head: - Water: Solids: 9.5 AV DC: 385 TD Out: 13180 TBG/Rods: - Fuel: MBT: 12 AV	(\$2,63 ST	5,290				
Contractor: Nabors 270 Mud Co: M-I DRLG FLUIDS TANGIBLE COST INTANG MW: 10.6 #1 PZ-9 3.6 gpm Bit #: 9 Conductor: \$ - Loc,Cost: VIS: 47 SPM: 114 Size: 7 7/8 Surf. Csg: \$ - Rig Move: PV/YP: 18/34 #2 PZ-9 3.6 gpm Type: 506zx+ Int. Csg: \$ - Day Rate: Gel: 15/35/41 SPM: 0 MFG: HTC Prod Csg: \$ 263,600 Rental Tot WL: 8.2 GPM: 416 S/N: 7114428 Float Equp: \$ - Trucking: Cake: 1/32 Press: 1780 Jets: 6X16 Well Head: \$ - Water: Solids: 9.5 AV DC: 385 TD Out: 13180 TBG/Rods: \$ - Mud Logg		ST	15,290				
MW: 10.6 #1 PZ-9 3.6 gpm Bit #: 9 Conductor: \$ - Loc,Cost: VIS: 47 SPM: 114 Size: 7 7/8 Surf. Csg: \$ - Rig Move: PV/YP: 18/34 #2 PZ-9 3.6 gpm Type: 506ZX+ Int. Csg: \$ - Day Rate: Gel: 15/35/41 SPM: 0 MFG: HTC Prod Csg: \$ 263,600 Rental To WL: 8.2 GPM: 416 S/N: 7114428 Float Equp: \$ - Trucking: Cake: 1/32 Press: 1780 Jets: 6X16 Well Head: \$ - Water: Solids: 9.5 AV DC: 385 TD Out: 13180 TBG/Rods: \$ - Fuel: MBT: 12 AV DP: 208 Depth In: 12162 Packers: \$ - Mud Logg	BLE CO.						
VIS: 47 SPM: 114 Size: 7 7/8 Surf. Csg: \$ - Rig Move: PV/YP: 18/34 #2 PZ-9 3.6 gpm Type: 506ZX+ Int. Csg: \$ - Day Rate: Gel: 15/35/41 SPM: 0 MFG: HTC Prod Csg: \$ 263,600 Rental Total Total Total Equp: \$ - Trucking: WL: 8.2 GPM: 416 S/N: 7114428 Float Equp: \$ - Trucking: Cake: 1/32 Press: 1780 Jets: 6X16 Well Head: \$ - Water: Solids: 9.5 AV DC: 385 TD Out: 13180 TBG/Rods: \$ - Mud Logg MBT: 12 AV DP: 208 Depth In: 12162 Packers: \$ - Mud Logg			_				
PV/YP: 18/34 #2 PZ-9 3.6 gpm Type: 506zx+ Int. Csg: \$ - Day Rate: Gel: 15/35/41 SPM: 0 MFG: HTC Prod Csg: \$ 263,600 Rental Tor WL: 8.2 GPM: 416 S/N: 7114428 Float Equp: \$ - Trucking: Cake: 1/32 Press: 1780 Jets: 6X16 Well Head: \$ - Water: Solids: 9.5 AV DC: 385 TD Out: 13180 TBG/Rods: \$ - Fuel: MBT: 12 AV DP: 208 Depth In: 12162 Packers: \$ - Mud Logg		<u>\$</u> \$					
Gel: 15/35/41 SPM: 0 MFG: HTC Prod Csg: \$ 263,600 Rental To WL: 8.2 GPM: 416 S/N: 7114428 Float Equp: - Trucking: Cake: 1/32 Press: 1780 Jets: 6X16 Well Head: - Water: Solids: 9.5 AV DC: 385 TD Out: 13180 TBG/Rods: - Fuel: MBT: 12 AV DP: 208 Depth In: 12162 Packers: \$ - Mud Logg			22,000				
WL: 8.2 GPM: 416 S/N: 7114428 Float Equp: \$ - Trucking: Cake: 1/32 Press: 1780 Jets: 6X16 Well Head: \$ - Water: Solids: 9.5 AV DC: 385 TD Out: 13180 TBG/Rods: \$ - Fuel: MBT: 12 AV DP: 208 Depth In: 12162 Packers: \$ - Mud Logg		<u>\$</u> \$	22,000 1,500				
Cake: 1/32 Press: 1780 Jets: 6X16 Well Head: \$ - Water: Solids: 9.5 AV DC: 385 TD Out: 13180 TBG/Rods: \$ - Fuel: MBT: 12 AV DP: 208 Depth In: 12162 Packers: \$ - Mud Logg	is:		1,500				
Solids: 9.5 AV DC: 385 TD Out: 13180 TBG/Rods: \$ - Fuel: MBT: 12 AV DP: 208 Depth In: 12162 Packers: \$ - Mud Logg		\$					
MBT: 12 AV DP: 208 Depth In: 12162 Packers: \$ - Mud Logg		\$					
1010		\$	12,967				
DH . 9.0 LetVel· 104 FTG· 1018 Itanks: \$ - Itoqqing:	er:	\$	-				
		\$_	16,000				
Pf/Mf: .2/6 ECD: 11.29 Hrs: 184 1/2 Separator: \$ - Cement:		\$					
Chlor: 3000 SPR #1: 50@450 FPH: 5.5 Heater: \$ - Bits:		\$					
Ca: 100 SPR #2: 40@300 WOB: 38 Pumping L/T: \$ - Mud Moto	's:	\$	-				
Dapp ppb: 5 Btm.Up: 60 R-RPM: 50/70 Prime Mover: \$ - Corrosion		\$	100				
Time Break Down: Total D.T. M-RPM: N/A Misc: \$ - Consultar	t:	\$	1,000				
START END TIME 44.5 Total Rot. Hrs: 637.5 Daily Total: \$ 263,600 Drilling M	ıd:	\$	3,566				
06:00 11:30 5:30 TRIP OUT FOR LOGS Misc. / Lai	FOR LOGS Misc. / Labor: \$						
11:30 21:30 10:00 RIG UP AND LOG W/PHOENIX SURVEY- Csg. Crew	ND LOG W/PHOENIX SURVEY- Csg. Crew: \$						
21:30	DLE- FILL UP (2), INSTALL ROT HEAD Daily Total: \$ 57,1						
04:30 06:00 1:30 CIRCULATE AND CONDITION- CIRC GAS OUT Cum. Wtr.	E AND CONDITION- CIRC GAS OUT Cum. Wtr: \$ 27,669						
RIG UP LAYDOWN MACHINE Cum. Fue	A 004 000						
Cum. Bits		\$	162,391				
LOGGER DEPTH @13182	ВН	Α					
віт	7 7/8	3	1.00				
N/B STB			4.51				
1 - DC			29.47				
			6.6				
REAECTED IBS			31.06				
JAN 2 2 2007 IBS			6.56				
19-DC's			567.10				
DIV. OF OIL, GAS & MINING							
TOTAL	BHA =	-	646.30				
Survey	2 1/2	Τ	13160'				
24.00 TD 13180' 0' BOILER 24 Survey							
P/U 265 K# LITH: BKG G.	ıs						
S/O 245 K# FLARE: 15`FLARE GAS BUSTER yes CONN							
ROT. 256 K# LAST CSG. RAN: 8 5/8" SET @ 3564' KB PEAK C							
FUEL Used: 1614 On Hand: 6466 Co. Man RICK FELKER TRIP G.							
PIT # 9 CONDITION ICS OCS DC LOC B/S G ODC RP							
BIT # 9 CONDITION 103 303							



CONFIDENTIAL TIOS KIDES-70 43-013-33087

AFE # 40158

						40130					
Well:	WRF 32-2	0-10-17	Permit Dep	th: 13250	Prog. Deptl	n: 13166		1/23/2007	Days Since S	Spud:	39
Current C	perations						INING CAS				
Depth:	13180'	Prog:	0	D Hrs:		AV ROP:	<u></u>	Formation:	0110	TD	100 125
DMC:	\$34	15	TMC:		\$151,229		TDC:	\$33,845	CWC:		69,135
Contracto	or: Nab	ors 270		Mud Co:	M-I DRLG	FLUIDS	TANGIBLE CO		INTANGIBLE		
MW:	10.6	#1 PZ-9	3.6 gpm	Bit#:	9		Conductor:	\$ -	Loc,Cost:	<u>\$</u>	
VIS:	47	SPM:	114	Size:	7 7/8		Surf. Csg:	<u> </u>	Rig Move:	\$	
PV/YP:	18/34	#2 PZ-9	3.6 gpm	Туре:	506zx+		Int. Csg:	\$ -	Day Rate:	\$	
Gel:	15/35/41	SPM:	0	MFG:	HTC		Prod Csg:	\$ -	Rental Tools:	\$	
WL:	8.2	GPM:	416	S/N:	7114428		Float Equp:	\$ -	Trucking:	\$	
Cake:	1/32	Press:	1780	Jets:	6X16		Well Head:	\$ -	Water:	\$	
Solids:	9.5	AV DC:	385	TD Out:	13180		TBG/Rods:	\$ -	Fuel:	\$	
MBT:	12	AV DP:	208	Depth In:	12162		Packers:	\$ -	Mud Logger:	\$	
PH:	9.0	JetVel:	104	FTG:	1018		Tanks:	\$ -	Logging:	\$	
Pf/Mf:	.2/6	ECD:	11.29	Hrs:	184 1/2		Separator:	<u>\$ -</u>	Cement:	\$	
Chlor:	3000_	SPR #1 :	50@450	FPH:	5.5		Heater:	<u>\$ -</u>	Bits:	\$	
Ca:	100	SPR #2 :	40@300	WOB:	38		Pumping L/T:	<u>\$ -</u>	Mud Motors:	\$	
Dapp ppb:	5	Btm.Up:	60	R-RPM:	50/70		Prime Mover:	\$ -	Corrosion:	\$	
Time Bre	ak Down:		Total D.T.	M-RPM:	N/A		Misc:	\$ -	Consultant:	\$	
START	END	TIME	44.5	1	Total Rot. Hrs:	637.5	Daily Total:	\$ -	Drilling Mud:	\$	
06:00	06:30	0:30		E AND CON					Misc. / Labor:	\$	
06:30	07:30	1:00	FINISH RI	G UP LATDO	WN MACHI	NE AND SA	FTEY MEETIN	IG	Csg. Crew:	9	
07:30	16:30	9:00	LAY DOW	N DRILL PIPE	<u> </u>				Daily Total:		
16:30	17:30	1:00	BREAK KE	LLY DOWN				_ 	Cum. Wtr:		27,669
17:30	19:30	2:00		N DRILL COL		<u>.</u>			Cum. Fuel		234,683
19:30	23:30	4:00	REMOVE	WEAR RING	-WORE O	JT NOTHIN	G TO GRAB		Cum. Bits:		162,391
23:30	00:00	0:30	SAFTEY N	MEETING					 	BHA	
00:00	02:00	2:00	RIG UP C	ASERS					<u> </u>		
02:00	06:00	4:00	RUN 4.5 C	ASING					<u> </u>		
							RECEN	/ED-	ļ		
							JAN 2 3	2007			
						D/\	OF OIL, GAS	A MINIMO			
							- OIL, UAG	x WIINING			
										<u> </u>	
									TOTAL BH	- T	0.00
									Survey	2 1/2	13160'
		24.00	TD		13180'		y BOILEF	R 24	Survey		
P/U	265	K#	LITH:						BKG GAS		
S/O	245	K#	FLARE:	15` FLARE			GAS BUSTER	R yes	CONN GAS		
ROT.	256	K#	LAST CS	G. RAN:	8 5/8"	SET@	3564' KB		PEAK GAS	<u> </u>	
FUEL	Used:	1552	On Hand		314	Co. Man	RICK FELK		TRIP GAS		
	CONDITION	ICS	ocs	DC	LOC	B/S	G	ODC	RP		
1 " " `		l .	1		L	1		<u> </u>			



TIOS RIDE S-20 43-013-33087 GPS-N. 39° 55' 53.8" W. 110° 01' 44.2"

AFE # 40158

			T			# 40138	···	GF3.	14. 35	5' 53.8" W	7. 110 C	/1 44	·-C
Well:			Permit De	pth: 13250	Prog. Depth	: 13166	Date:	1/24/200)7	Days Sinc	e Spud:		40
	Operations	T	<u> </u>	1		 	RIG DOW						
Depth:	13180'		0	D Hrs:	0	AV ROP:	#DIV/0!	Formati	on:	,	T	Ď	
DMC:		45	TMC:		\$151,229		TDC:	\$168	,617	CWC:		\$2,80	3,907
Contract	or: Nat	ors 270		Mud Co:	M-I DRLG F	LUIDS	TANGIBLE C	OST		INTANGIB	LE COS	T	
MW:	10.6	#1 PZ-9	3.6 gpm	Bit #:	9	ļ	Conductor:	_\$	-	Loc,Cost:		\$	-
VIS:	47	SPM:	114	Size:	7 7/8		Surf. Csg:	\$	-	Rig Move:		\$	
PV/YP:	18/34	#2 PZ-9	3.6 gpm	Туре:	506zx+		Int. Csg:	\$	-	Day Rate:		\$	22,000
Gel:	15/35/41	SPM:	0	MFG:	HTC		Prod Csg:	\$		Rental Tools	<u> </u>	\$	1,500
WL:	8.2	GPM:	416	S/N:	7114428		Float Equp:	\$		Trucking:		\$	1,370
Cake:	1/32	Press:	1780	Jets:	6X16		Well Head:	\$	1,323	Water:		\$	11,200
Solids:	9.5	AV DC:	385	TD Out:	13180		TBG/Rods:	\$	-	Fuel:		\$	-
MBT:	12	AV DP:	208	Depth In:	12162		Packers:	\$	-	Mud Logger:		\$	-
PH:	9.0	JetVel:	104	FTG:	1018		Tanks:	\$	-	Logging:		\$	-
Pf/Mf:	.2/6	ECD:	11.29	Hrs:	184 1/2		Separator:	\$	-	Cement:		\$	54,016
Chlor:	3000	SPR #1 :	50@450	FPH:	5.5		Heater:	\$	-	Bits:		\$	44,000
Ca:	100	SPR #2 :	40@300	WOB:	38		Pumping L/T:	\$	-	Mud Motors:		\$	-
Dapp ppb:	5	Btm.Up:	60	R-RPM:	50/70		Prime Mover:	\$	-	Corrosion:		\$	-
Time Bre	ak Down:		Total D.T.	M-RPM:	N/A		Misc:	\$	-	Consultant:		\$	1,000
START	END	TIME	44.5		Total Rot. Hrs:	637.5	Daily Total:	\$	1,323	Drilling Mud:		\$	-
06:00	06:30	0:30	RUN CASI	NG						Misc. / Labor:	:	\$	3,650
06:30	07:00	0:30	RIG SERV	ICE		-				Csg. Crew:		\$	28,558
07:00	15:00	8:00	RAN 311 J	TS 0F 4.5",13	.5#,P110,LT&	C - LANDED@	13168`			Daily Total	:	\$	167,294
15:00	18:00	3:00	CIRCULAT	E OUT GAS						Cum. Wtr:		\$	38,869
18:00	20:00	2:00	CIRC AND							234,683			
20:00	01:00	5:00	R U SCHL	UMBERGER &	& PUMP 20 BE	BL SPACER, 20	BBL CW100			Cum. Bits:		\$	215,391
			LEAD CLA	SS G+12%D2	0+1%D79+0.2	2%D167+0.2%[D46+1.75%D13	+			BH	Α	
			0.125pps [0130 885 S	KS, 115.PPG	YIELD 3.04, H2	20 18.4 GAL/SK	(S					
			TAIL 50/50	POZ CLASS	G+ 2%D20 +0	.1%D46+0.2%	D198+0.2%D16	67+		-			
						'IELD 1.28 , H2							
			DISPLACE	D W/ 197 BBI	S OF KCL W	ATER							
			FULL RET	. THRU OUT	JOB - BUMPE	D PLUG WITH	1000 PSI OVE	R-					
			PUMPED I	AST 5 BBLS	W/RIG PUMP	(rig mud)							
					:00 on 1/24/0								
01:00	06:00	5:00	CLEAN P		Rig Release								
										TOTAL BH	A =		0.00
			Cementers	broke down(2	2)					Survey	2 1/2		13160'
		24.00	Ran out c	f water			BOILER	24	, """	Survey			
P/U		K#	LITH:							BKG GAS			
s/O		K#	FLARE:	15` FLARE			GAS BUSTER	yes		CONN GAS	3		
ROT.		K#	LAST CSG	. RAN:	8 5/8"	SET @	3564' KB			PEAK GAS			
FUEL	Used:	1750	On Hand:			Co. Man	RICK FELKER	२		TRIP GAS			
BIT#9CC	NOITION	ICS	ocs	DC	LOC	B/S	G	OD	C	RP			
							L						

RECEIVED

JAN 2 5 2007

DIV. OF OIL, GAS & MINING

GASCO PRODUCTION CO Wilkin Ridge Fed 32-20-10-17

CONFIDERTAL TIOSR ME 5-28 43-013-33089

Drlg CWC: \$2,803,907

Battery and const est: DC 92,075 CC 2,895,982

Completion:

Run the and eln out esg- drlg mud

Rig up BWWC and bond log well into surface casing. Shows good bond 2/8/07

into surface.

Rig up Wildcat energy and NDFT and NU Washington head. Pick up 2/10/07

notch collar and RIH w/ 36 jts. close well in and SDFD. (CR) DC \$ 4100

Open well up and continue RIH w/ tbg. Tag up w/ 397 jts @ 13,130 and 2/11/07

circulate hole clean w/ 205 bbls of 2% kcl. POOH w/ 2 jts and SDFD. (CR

/ Rick w/ Premier) DC \$ 8173 CC \$2,908,255

Open well up and continue POOH w/ tbg and BHA. ND Washington head 2/12/07

and NUFT, fill csg w/ hot oiler w/ 20 bbls. Rig up B&C and pressure test to 9500 psi, tested good. RDMO location. (CR /Rick w/ Premier) DC \$

8260 CC \$2,916,515

MIRU BWWC and Superior. RIH and perf Stage 1 - Kenilworth, f/ 2/13/07

12850 - 58', 3 spf. POOH. Psi test lines to 9500 psi, repaired many leaks. Broke dn perfs @ 7140 psi @ 4.1 bpm. ISIP 5580. FG .87. Screened out gel frac w/ 56,000# 20-40 Opti frac, and 36,400# (in formation) (and 39000# in pipe), using 1770 bbls 25# and 20# BHT gel. Screened out w/ 5 ppg in wellhead (just about to go to flush). Chart showed a wellbore screen out. Formation taking 4 ppg sd/fluid for 8 min, and leveled out. Then pressure went strait up, to 10,000 psi. 5 ppg sd still 1500 gal away from perfs. Opened well up to FB @ 1:25 PM, on 14/64" ck, w/ 5000 SICP. Unloaded sd to pit and cleaned up wellbore. RIH w/ Sunnyside "Perf Only" gun and perfed f/ 12579 - 84'. Put well back on FB for night. Well flowing this AM @ 2300 psi on a 14/64 ck. Well flowed 716 bbls in 14 1/2 hrs. TA 716, BLWTR 1054. Close well in @

6:00 am and rig up wireline (SCE and CR)

2/14/07

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FEB 1 5 2007

RIH w/ plug and guns for Stage #2- Desert/Grassy. Set 8k FTFP #1 @ 12,495' and pressure test to 5500 psi, bleed well down to 4700 psi and perforate f/ 12,476-80, 12,389-92, 12,334-37, 12,302-05. Fd 4900 SICP. Broke dn perfs @ 4980 psi @ 2 bpm. ISIP 5600. FG .89. Calc 18 holes open / 39. Gel fraced Stg 2 w/ 72,200# 20-40 Optiprop, using 1646 bbls 20# BHT gel. Flushed w/ 182.5 bbls. ISIP 5740. FG .90. RIH w/ plug

DIV. OF OIL, GAS & MINING and guns to perf Stg 3 - Lower Mesaverde I. Set FTFP # 2 @ 11985'. Psi test plug to 6300 psi, ok. Perforated f/ 11763 - 66', 11864 - 66',

11880 – 83', 11924 – 26', 11939 – 43', 3 spf. Hybrid fraced w/ 12,300# 20-40 white and 151,100# 20-40 Optiprop, using 3421 bbls Lin and X-L 20# gel. Very tight (8000-8500 psi) until 3# stg, then dropped to 6450 psi. Flushed w/ 174 bbls. ISIP 5060. FG .87. Opened well up to FB @ 4:05 PM, on 12/64" ck, w/ 4600 SICP. Well flg this AM w/ 3500 FCP, on 14/64" ck. Made 1496 bbls in 14 hrs. TR 2212. BLWTR 4625. (SCE and CR)

Form 3160- 5 (April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR



	Expires	Mar	ch 31, 20	07
Lease Serial	No.			
	LIT		70000	

	Expires March 31, 2007								
SUI Do n	5. Lease Serial No. UTU-75083 6. If Indian, Allottee, or Tribe Name								
aband	ioned well. Use Form 31	60-3 (/	APD) for such p	roposals.		NA			
SUBMIT IN TR	IPLICATE - Other Insti	ructio	ns on reverse s	side.	7. If Unit or CA.	Agreement Name and/or No.			
Type of Well					1	NA			
Oil Well X Gas Well	Other				8. Well Name ar	nd No.	-		
Name of Operator					Wilkin Ric	lge Federal 32-20-10-17			
Gasco Production Company	<i>!</i>				9. API Well No.	<u> </u>	-		
3a Address			3b. Phone No. (incl.	nde area code)	043-013-33087				
Inverness Drive East Ste	83-0044	10. Field and Poo	ol, or Exploratory Area	_					
Location of Well (Footage, Sec., T		Eight Mile Flat							
	1923' FNL & 2076' FEI	cu.	/ NIC		11. County or Parish, State				
	1923 FINE & 2070 FEI	_	NE		Duck	esne County, Uah			
12. CHECK APPROI	PRIATE BOX(S) TO IND	HCAT	E NATURE OF	NOTICE, REPOR	T. OR OTHER	R DATA			
TYPE OF SUBMISSION			TY	PE OF ACTION					
X Notice of Intent	Acidize		Deepen	Production (S	tart/ Resume)	Water Shut-off			
	Altering Casing		Fracture Treat	Reclamation		Well Integrity			
Subsequent Report	Casing Repair		New Construction	Recomplete		X Other	_		
	Change Plans		Plug and abandon	Temporarily A	bandon	EFM Meter			
Final Abandonment Notice	Convert to Injection		Plug back	Water Disposa	i				

13 Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

This sundry is being sent to inform you that we will be using a Ferguson Beauregard EFM (Model 3500) to measure production from this well and will be considered as the point of sale for gas produced from this well. A temperature probe has been installed for gas measurement purposes. This unit does have a digital readout display and will be inspected and proved according to all BLM regulations.

Accepted by the Utah Division of Oil, Gas and Mining

Federal Approval Of This Action is Necessary

14. I hereby certify that the foregoing is true and correct.		
Name (Printed Typed)	77:4	
Beverly Walker	Title	Engineering Technician
Signature Signature	Date	February 21, 2007
THIS SPACE FO	OR FEDERAL OR ST	ATE OFFICE USE
Approved by	Title	Date
Conditions of approval, if any are attached. Approval of this notice doe certify that the applicant holds legal or equitable title to those rights in twhich would entitle the applicant to conduct operations.	he subject lease Office	RECEIVED
		knowingly and willfully to make any department or agency of the Unite
States any false, fictitiousor fraudulent statements or representations as to a	ny matter within its jurisdiction	
(Instructions on page 2)		

Form 3160-4. (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR



FORM APPROVED OMB NO. 1004-0137

BUREAU OF LAND MANAGEMENT Expires: November 30, 2000 WELL COMPLETION OR RECOMPLETION REPORT AND LOG Lease Serial No.

													U/IC-	/2083	
la. Type o	of Well	Oil v		Gas	Dry	Other					6	. If Indiar	1. Allottee	or Tribe Name	
b. Type o	f Completion	1:	☑ Ne	:w [Work Over	Deepe	n 🔲 1	Plug Back	Dif	f. Resvr.			N		
			Other_						_		7	. Unit or	CA Agree	ment Name and No.	
2. Name o	of Operator			-							┦		N.		
	-											. Lease N			
3. Addres	oduction Co	ompany					32 P	hone No. (i	nchido ar	aa cadal	-L_V	Vilkin Ri	dge Fed	eral 32-20-10-17	
				1.43		2					9.	. API Wel	ll No.		
					lorado 8011 cordance with				-483-004	<u>4</u>	4		43-013-	-33087	
4. LOCATIO	n or well the	грот посин	ions cieari	y ana in ac	coraance wiin	reaerai req	uiremenis	9+			10). Field an	d Pool, or	Exploratory	
At surface			19,	23' FNL &	2076 FEE.	SW NE					1		8 Mile		
											11	. Sec., T.	R., M., o	r Block and	
At top pro	d. interval re	ported belo	ow sa	me							<u> </u>	Survey	or Area	Sec 20-T10S-R17E	
											12	. County		13. State	
At total de				me Date T.D.	Darahad		lı, D		1		1		chesne	Utah	
14. Date :	•		[13.	Date 1.D.			10.12	ate Complet D & A		dy to Prod.	''			KB, RT, GL)*	
	11/21/0)6			01/21/07				2/17/07	,		603	8.8' GL: (6065.8' KB	
18. Total		1D VD	13180 13180	19.	Plug Back T.I	D.: MD TVD				20. Depth	Bridge	e Plug Set:	MD TVD	NA NA	
21. Type				Run (Subn	nit copy of eac				22. Wa	s well	Ø	No 🔲		bmit copy)	
,,			<i>e</i>	,	1,7	•				s Well s DST run?		No 🗖		bmit copy)	
			GR	: CNL: CE	BL: ML				Į.	ectional				Submit copy)	
23. Casin	g and Liner R	Record (Re													
	Size/Grade	T		Top (MD)		Stage (Cementer	No. of	Sks. &	Slurry Vo	ol.		a: .		
	Size/Grade	Wt. (#	/11.)	тор (МО)	Bottom (M	D ((11)	epth	Type of	Cement	(BBL)		Cement	Top*	Amount Pulled	
20"				()		40"									
17 1/2"	13 3/8 1140			0		217			f Class G			Circ to	Surf		
12 1/4"	8 5/8 J-55			0		564			f Class G	ļ		Cue to	Surf		
7.7/8"	4 1/2 PTH	13.5	4	()	13	168		 	f Class G			Circ to	Surf		
24. Tubin	Record	1				I		1780 sx	of 50-50						
Size	Depth S	et (MD)	Packer f	Depth (MD)	Size	Denth 9	Set (MD)	Packer De	oth (MIX	Size	•	Donat	Set (MD) Pool or Car (145)	
		,,	1		5.22	- Separa	()	Tacker De	pin (MD)	5120	-	Серп	i set (MD) Packer Set (MD)	
25. Produc	cing Intervals	· · · · · · · · · · · · · · · · · · ·				26. Pei	rforation F	Record		•			· · · · · · · · · · · · · · · · · · ·		
	Formatio	n		Тор	Bottom	Р	Perforated Interval Size					No. Holes Perf. Status			
A)	Blackhaw			12302	12858	Sec Atta	ched								
B)	Mesavere	le		11138	11943				_						
<u>C)</u>											<u> </u>				
<u>D)</u> E)					 						<u> </u>		ļ		
	Fracture, Trea	atment, Ce	ment Sque	eze, Etc.		<u></u>			L		L		L		
	Depth Inter							Amount an	d type of	Material					
,	See Attach	ied									·				
					· - · · · · · · · · · · · · · · · · · · ·										
			-												
28. Produc	tion - Interva	ıl A										_			
Date First	Test	Hours	Test	Oil	Gas \	Water	Oil Grav	rity	Gas		Produc	tion Method			
roduced	Date	Tested	Production	BBI.	MCF E	BBL	Соп. А	,	Gravity						
02/17/07		24	<u> </u> →	0	1,031	313	 						Flowin	ng	
hoke lize	Tbg. Press	Csg. Press	24 Hr. Rate	Oil BBL	1 3	Vater BBL	Oil Grav Corr. AP		Well Status						
14/64"	Flwg SI ()	2150		()	1.031	313	Con. AF	<i>'</i>		D	rachi	cing fron	n Д & D		
28a.		2130		1 ,	1.0001	2/ 3 _2				<u> </u>	, octu	eng non			
Date First	Test	Hours	Test	Oil	Gas V	Valer	Oil Grav	ity I	Gas	1:	Produc	tion Method	FAF	CEIVED	
roduced	Date	Tested	Production			BBL	Согт АР	•	Gravity	ĺ					
		<u> </u>			11								AN	KR.U 5 2007	
hoke lize	The Press	Csg Press	24 Hr. Rate	Oil BBL	1 1	Vater BBL	Oil Grav Corr. AP		Well Status	·				COIL; GAS&MININ	
	Flwg SI	, 1088	_	DDI.	INICE	יוטני	COII. AP	' [r	MILL COF	OIL GAS & MININ	
	L			<u> </u>	1_		1					1.	ノンチャンしょ		

201										
28b.	In .	1		Tau .						
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas : Oil	Well Status		
Size	Flwg. SI	Press.	Rate	BBL	MCF	BBL	Ratio	, and one		
28c. Pro	duction - Inte	erval E						L		
Date First	Test	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas Gravity	Production Method	
Produced	Date	Tested	Production	BBL.	MCF	BBL	Corr. API			
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status		
29. Disp		s (Sold, used	for fuel, veni	ed, etc.)				_ [,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
30 Sum	mary of Poro	us Zones (Inc	lude Aquifer	c).		So	ld	151.8	n (Log) Markers	
tests.	v all importar including de ecoveries	nt zones of po epth interval t	orosity and co	ntents thei n used, tin	reof: Cored in tool open, f	ntervals and a Nowing and sh	all drill-stem ut-in pressures	31. I Villano	" (LVg) Markets	
For	mation	Тор	Bottom		Descrip	ptions, Conten	ts. etc.		Name	Top Meas. Depth
Wasatc Dark Ca Mesave Blackha	anyon rde awk	5.168 9,336 9,492 12,244	9,492 12.006	Well wa	as td'd with	in the Black	thawk @ 13,180			
1. Ele 5. Su	ndry Notice 1	anical Logs (for plugging a	I full set req' and cement ve g and attached	erification	5.	Geologic Repo Core Analysis	7. Othe	r.	4. Directional Survey	ons)*
Name	please print	<u>/</u>	Ben	verly Wa	alker		Title		Engineering Ted	ch
Signat	ure	Usly	ality	<u>E</u>	<u> </u>		Date		4/3/07	
Fitle 18 U. States any	S.C. Section false, fictitio	1001 and Titlus or fraudul	e 43 U.S.C. S	section 121	2, make it a co	rime for any pe	rson knowingly and ithin its jurisdiction	willfully to make	to any department or age	ncy of the United

o U.S. GPO: 1999-573-624

Wilkin Ridge Federal 32-20-10-17 Additional Information to Well Completion Report

27. Perforation Record

Perforated Interval	Size	No. Hole	Perf. Status
12850-58; 12579-84; 12476-80; 12389-92; 12334-37; 12302-05	0.38	78	Open
11939-43; 11924-26; 11880-83; 11864-66; 11763-66; 11430-34; 11334-37; 11282-85; 11213-15; 11138-41	0.38	87	Open

Depth Interval	Amount and Type of Material						
12,850 - 12,858	Gel frac w/ 56,000# 20-40 Opti frac, and 36,400# of 20/40 Versaprop (in formation) (and 39000# in pipe), using 1770 bbls 25# and 20# BHT gel						
12,302 - 12,480	Gel fraced Stage 2 w/ 72,200# 20-40 Optiprop, using 1646 bbls 20# BHT gel						
11,763 - 11,943	Hybrid fraced w/ 12,300# 20-40 white and 151,100# 20-40 Optiprop, using 3421 bbls Lin and X-L 20# gel						
11,138-11,434	Hybrid frac well w/ 5878 bbls of lin 20# and XL gel, 22,250 # of 20/40 white and 266,000 # of 20/40 Opti prop sand						

Form 3160- 5 (April 2004)

(Instructions on page 2)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB No. 1004- 0137

Expires March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an

Э.	Lease Serial No.								
	UTU-75083								
6.	If Indian, Allottee, or Tribe Name								
	NA								
_	1011								

abandoned well. Use Form 3160-3 (APD) for such proposals.					NA NA	
SUBMIT IN TRIPLICATE - Other Instructions on reverse side.					7. If Unit or CA Agreement Name and/or No. NA 8. Well Name and No	
1 Type of Well Oit Well X Gas Well Other						
2. Name of Operator					Wilkin Ridge Federal 32-20-10-17	
Gasco Production Company					9. API Well No.	
3a Address	Address 3b Phone No. (mch		ule area code)	043-013-33087		
8 Inverness Drive East Ste 100 Englewood, Co 80112		303-4	83-0044	10. Field and Poo	ol, or Exploratory Area	
4 Location of Well (Footage, Sec., T. R. M., or Survey Description)					Eight Mile Flat	
1923' FNL & 2076' FFL. SW NF					11 County or Parish, State	
1725 TNI, & 2070 TEL. SWINE.					Duchesne County, Uah	
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA						
TYPE OF SUBMISSION	TYPE OF ACTION					
Notice of Intent	Acidize	Deepen	Production (St	ction (Start/ Resume) Water Shut-off		
	Altering Casing	Fracture Treat	Reclamation		Well Integrity	
X Subsequent Report	Casing Repair	New Construction	Recomplete		X Other Site security	
	Change Plans	Plug and abandon	Temporarily Al	pandon	diagram - submittal	
Final Abandonment Notice	Convert to Injection	Plug back	Water Disposal			

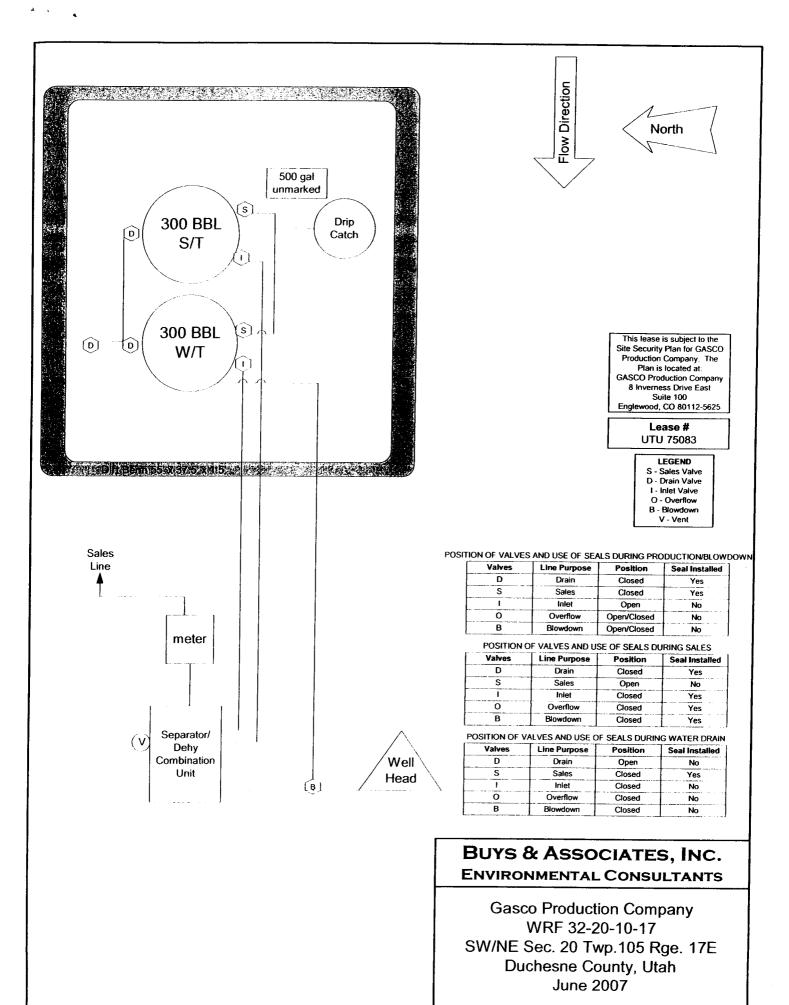
13 Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones Attach the Bond under which the work will be performed or provide the Bond No on file with BLM/BIA Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

Please find attached a copy of the site security diagram for this well.

Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY

RECEIVED AUG 0 8 2007

		O & MINING
14 Thereby certify that the foregoing is true and correct Name (Printed Typed)		
Beverly Walker	Title	Engineering Technician
Signature	Date	August 2, 2007
THIS SPACE FOR FED	ERAL OR STA	ATE OFFICE USE
Approved by	Title	Date
Conditions of approval, if any are attached. Approval of this notice does not warra certify that the applicant holds legal or equitable title to those rights in the subject which would entitle the applicant to conduct operations the		
Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crin States any false, fictitiousor fraudulent statements or representations as to any matter v		





United States Department of the Interior



BUREAU OF LAND MANAGEMENT Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155 http://www.blm.gov

RECEIVED OCT 0 6 2008

IN REPLY REFER TO: 3160 (U-922)

DIV. OF OIL, GAS & MINING

October 1, 2008

GASCO Production Company 8 Inverness Drive East Suite 100 Englewood, CO 80112-5625 Attn: David R. Smith

Wilkin Ridge Fed 32-20-10-17 Non-Paying Well Determinations

Re:

Wilkin Ridge Unit Duchesne County, Utah

Gentlemen:

Pursuant to your request of September 26, 2008, it has been determined by this office that under existing conditions the following wells are not capable of producing unitized substances in paying quantities as defined in Section 9 of the unit agreement.

API Number	Well Name		Lo						Comp. Date	Lease
4301333087	32-20	SWNE	20	10	s	17	Е	SLB&M	02/17/2007	UTU75083
4301332773	31-29	NWNE	29	10	S	17	Ε	SLB&M	03/06/2007	UTU65632

All past and future production from these wells shall be handled and reported on a lease basis.

Sincerely,

/s/ Becky J. Hammond

Becky J. Hammond Chief, Branch of Fluid Minerals

	STATE OF UTAH		FORM 9					
	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINI		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-75083					
SUNDR	RY NOTICES AND REPORTS O	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:					
	sals to drill new wells, significantly deepen ex igged wells, or to drill horizontal laterals. Use		7.UNIT or CA AGREEMENT NAME: WILKIN RIDGE DEEP					
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: WILKIN RIDGE FED 32-20-10-17					
2. NAME OF OPERATOR: GASCO PRODUCTION COMPAN	NY		9. API NUMBER: 43013330870000					
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 10	0 , Englewood, CO, 80112	PHONE NUMBER: 303 483-0044 Ext	9. FIELD and POOL or WILDCAT: EIGHT MILE FLAT					
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1923 FNL 2076 FEL			COUNTY: DUCHESNE					
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWNE Section: 20	P, RANGE, MERIDIAN: Township: 10.0S Range: 17.0E Meridian: S		STATE: UTAH					
11. CHE	CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA							
TYPE OF SUBMISSION		TYPE OF ACTION						
· /	ACIDIZE	ALTER CASING	CASING REPAIR					
NOTICE OF INTENT Approximate date work will start: 1/26/2010	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME					
1/20/2010	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE					
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION					
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK					
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION					
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON					
	✓ TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL					
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION					
	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER: Wellbore Clean Out					
This wellbore is sho intends to move a necessary. The wel	This wellbore is showing signs of having tubing scaled in the hole. Gasco intends to move a rig on this well and commence fishing operations if necessary. The wellbore will then be cleaned out to bottom to ensure no more scale is present and covering up existing perforations. Date: January 25, 2010 By:							
NAME (PLEASE PRINT) Matt Owens	PHONE NUMBER 303 996-1839	TITLE Petroleum Engineer						
SIGNATURE N/A		DATE 1/20/2010						

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINI	NG	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-75083
SUND	RY NOTICES AND REPORTS C	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
bottom-hole depth, reenter plu	igged wells, or to drill horizontal laterals. Use		7.UNIT or CA AGREEMENT NAME: WILKIN RIDGE DEEP
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: WILKIN RIDGE FED 32-20-10-17
2. NAME OF OPERATOR: GASCO PRODUCTION COMPAI	VY		9. API NUMBER: 43013330870000
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 10		E NUMBER: 303 483-0044 Ext	9. FIELD and POOL or WILDCAT: EIGHT MILE FLAT
			COUNTY: DUCHESNE STATE:
	Township. 10.00 Range. 17.01 Pichalam. 9		UTAH
CHE	CK APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	☐ ACIDIZE ☐	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	☐ CHANGE WELL NAME
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
SUNDRY NOTICES SUNDRY NOTICES SUNDRY NOTICES Do not use this form for proposals to drill new we bottom-hole depth, reenter plugged wells, or to control to the proposals. 1. TYPE OF WELL Gas Well 2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY 3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100 , Englewood, CO 4. LOCATION OF WELL FOOTAGES AT SURFACE: 1923 FNL 2076 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIZA Qtr/Qtr: SWNE Section: 20 Township: 10.05 in TYPE OF SUBMISSION ACIDIZE	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	✓ REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	✓ TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
	☐ WILDCAT WELL DETERMINATION ☐	OTHER	OTHER: Wellbore Clean Out
Gasco finished repa existing productive PBTD @ 12,900'. Zo	airing tubing, cleaning out casin interval on 2/12/2010. Scale wo one 1 was reperforated w/ 6 SPI	g and reperforating an as cleaned out to a new A F from 12,850'-12,858'. U 2 3/8" 4.7# N-80 tubir @i l	Accepted by the Utah Division of
	PHONE NUMBER 303 996-1839	TITLE Petroleum Engineer	
SIGNATURE		DATE	
IN/A		2/22/2010	

13,180

MD

12850-58

Stage 1:

2/13/2007

gel frac w/ 56,000# 20-40 Opti frac, and 36,400# (in

ormation) (and 39000# in pipe), using 1770 bbls 25#

nd 20# BHT gel

FORMATION =

PBTD @ 12,900' (2/6/2010)

3-3/4" Bit x POBS (3/20/07)

Possibly ~20' of 1/4" SS2205 capillary string in rat hole

Kenilworth

reperfed 2/9/2010 /12-850-58 w/ 6 SPF

Repair 371,131 Fd 1,500 sitp, 400 fcp. Pump 40 bbls down tbg. R.I.H. w/ 43 jts. tbg. Land tbg. @ 12,591' w/ 393 jts. tbg. N.D. BOPS. N.U. W.H. Broach tbg. down to 12,500'. (ok) R.U. Swab. Made 2 runs. I.F.L. @ surface Well kicked off. Flowed to prod. tank. Flowed 60 bbls. Put to sales on 20/64 choke. Flowing @ 200-300 MCF/DAY @ 400 #'s Making 25 bbls. per hr. Recovered 135 bbls. today. Leave tbg. to sales on 14/64 choke & S.D.F.N. (RICK) BLWTR = + 505 BBLS. DC 6,135 CVR Repair 377,266

6/1/09 Haul tanks, water, chemical costs, trash/toilets
Misc cost update: (PME) DC \$ 14,381 CVR Repair \$391,647

5/31/08 Field Transfer #2040 2 3/8 EUE N-80 8RD Tbg (PME) DC \$99,654 CVR 476,920

1/6/10 SI tubing and stated flowing up casing; suspected scale plug between casing and tubing. Put casing transducer onto tubing side to monitor tubing pressure. (JVG)

1/13/10 After one week we have a pressure difference of 1650 psi between the tubing and casing. Put the well back to flowing up the tubing and put transducer back on casing. (JVG)

Pull tbg to clean out scale

1/26/10 Roads were snow drifted in, had to wait and follow blade to loc. MIRU wildcat well service. Open well up to flow up csg as well as tbg for night to bring psi dn. SDFD. (JD) (PME) DC \$4,933 CC \$4,933

1/27/10 Fd 481 Fcp, Pump 20 bbls dn tbg, tbg on a suck. ND production tree, NU BOP. Pull to 90k to unland tbg. remove hanger and work tbg up/dn for 3 hrs, tbg free. Will start OOH in the a.m. leave well to sales up csg for night. SDFD. (JD) (PME) DC \$4,766 CC \$9,699

1/28/10 Fd 500 fcp, 900 sitp. Pump 15 bbls dn tbg, tbg on a suck. POOH tbg. start to see scale on tbg @ 5,300', scale was soft and gray in color, get sample and continue OOH. Fd hard white scale @ 11,050', tbg had scale to the EOT. Catch sample will drop them off @ BJ chemical for testing. Leave well to sales for the night. SDFD. (JD) (PME) DC \$4,005 CC \$13,704

1/29/10 Fd 200 fcp. Pump 30 bbls dn csg, well on a suck. RIH w/3 ¾" chomper bit+POBS+X-nipple to 6,571'. RU and RIH w/tbg broach to check where bumper spring was stuck as well as tbg above and below. Tag up @

Page 11 of 13 Wilkin Ridge Federal 32-20-10-17

scale @ 12,846', 4' above bottom set of perfs. Set dn 10k and pulled very sticky when POOH. Will not attemp drilling because of scale inside of tbg. unable to get free point tools dn if required. POOH 6 ints and SDFD. Leave tbg to sales for night. (JD) (PME) DC \$5,136 CC \$18,840 1/30/10 Fd 180 fcp. Pump 10 bbls dn tbg and RIH w/broach, tag scale @ 5,471' POOH and stand back 171 jnt (5,456'), POOH laying dn 231 jnts (7,388') of scaled up tbg. Will have good clean tbg on loc Monday. (PME) DC \$5,221 CC \$24,061 2/2/10 Fd 250 fcp. Pump 30 bbls dn csg and RIH w/3 ³/₄ chomp bit+bullbog bailer+float sub+check valve+ jar+2 3/8 N80 tbg. Leave EOT @ 11,138' 241 jnts for night. SDFD. (JD) (PME) DC \$ 14,264 CC \$38,325 2/3/10 Fd 150 fcp. Pump 10 bbls dn tbg. Finish RIH w/tbg. tag scale @ 12,828'. Mill and pump bailer for 5 hrs and was not able to make any hole. POOH 26 stands to get above perfs. Turn well back to sales for night and SDFD. (JD) (PME) DC \$4,780 CC \$43,105 2/4/10 Fd 200 fcp. Pump 20 bbls dn tbg and POOH. Well started to flow. Pump 30 bbls dn csg and finish POOH tbg+tools. Fd that the mill was packed off w/scale as well as the bottom two check valve's and three feet into bailer assembly. Will RIH in the a.m. w/scale mill. Turn well to sales for the night and SDFD. (JD(PME) DC \$4,888 CC \$47,993) 2/5/10 Fd 200 fcp. Pump 54 bbls dn csg. RIH w/3 3/4 scale mill+POBS+Xnipple+2 3/8 tbg. Hydro test tbg while RIH to 5,000 psi. all tbg test good. POOH 26 stands to get above perfs. Leave EOT @ 11,089'. Turn well over to sales for night and SDFD. (JD) (PME) DC \$7,682 CC \$55,675 2/6/10 Fd 150 sicp. RIH w/52 int tbg. Pick up power swivel, start circulating well, pump 112 bbls and get circulation. RIH tag scale @ 12,833', mill through 3' and fall through. RIH to 12,900' and circulate well clean. Saw gray muddy water @ returns. Lay dn power swivel and POOH. Turn well to sales for night and SDFD. (PME) DC \$ 5,445 CC \$61,120 2/9/10 Fd 150 fcp. RU JW wireline and RIH w/guns. Reperf Stage-1 Kenilworth f/12,850-58' 6 spf. POOH. RDMO JW wireline, RU and RIH w2 3/8 collar+1.875 X-nipple+2 3/8 tbg. Land tbg @ 12,583' w/387 ints tbg. ND

1,171', tbg scaled up inside. Continue to RIH to finish clean out run. Tag

Page 12 of 13 Wilkin Ridge Federal 32-20-10-17 BOP, NU production tree. RU swab lubricator w/broach. Out of day light will RIH in the a.m. SWI to build psi and SDFD. (JD) (PME) DC \$9,617 CC \$70,737

2/10/10 Fd 100 sicp. RIH w/broach to 12,200' broach good. When POOH sand line had a high strand that came loose in top shieve. Had to cut off 5,200' sand line. Pour new rope socket and RIH w/swab. Make three runs and recover 10 bbls. will continue in the a.m. SDFD. (JD) (PME) DC \$2,736 CC \$73,473

2/11/10 Fd 100 fcp. RDMO wildcat well service. MIRU Tripple J services. Fd IFL @ 4,300' make 9 swab runs and recover 57 bbls. well kicked off turn well over to sales w/200 psi. SDFD. (JD)

(PME) DC \$2,509 CC \$75,982

2/12/10 Rig swab unit down (PME) DC \$1,629 CC \$77,611

Page 13 of 13 Wilkin Ridge Federal 32-20-10-17

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MININ	NG	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-75083
SUNDF	RY NOTICES AND REPORTS O	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	sals to drill new wells, significantly deepen ex igged wells, or to drill horizontal laterals. Use		7.UNIT or CA AGREEMENT NAME: WILKIN RIDGE DEEP
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: WILKIN RIDGE FED 32-20-10-17
2. NAME OF OPERATOR: GASCO PRODUCTION COMPAI	NY		9. API NUMBER: 43013330870000
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 10	0 , Englewood, CO, 80112	PHONE NUMBER: 803 483-0044 Ext	9. FIELD and POOL or WILDCAT: EIGHT MILE FLAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1923 FNL 2076 FEL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWNE Section: 20	P, RANGE, MERIDIAN: Township: 10.0S Range: 17.0E Meridian: S		STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
Approximate date work will start:	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
2/12/2010	OPERATOR CHANGE	DRTS ON WELLS deepen existing wells below current terrals. Use APPLICATION FOR PERMIT TO PHONE NUMBER: 303 483-0044 Ext eridian: S NDICATE NATURE OF NOTICE, REPORT, O TYPE OF ACTION ALTER CASING CHANGE TUBING COMMINGLE PRODUCING FORMATIONS FRACTURE TREAT PLUG AND ABANDON RECLAMATION OF WELL SITE ON SIDETRACK TO REPAIR WELL VENT OR FLARE SI TA STATUS EXTENSION OTHER w all pertinent details including dates, depths, volut casing and reperforating an Scale was cleaned out to a new ACM/ 6 SPF from 12,850'-12,858'. Ut nts of 2 3/8" 4.7# N-80 tubin in in ints of 2 3/8" 4.7# N-80 tubin in in ints of 2 3/8" 4.7# N-80 tubin in in ints of interest in interest i	☐ PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	✓ REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	✓ TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
·	☐ WILDCAT WELL DETERMINATION ☐	OTHER	OTHER: Wellbore Clean Out
12. DESCRIBE PROPOSED OR CO	MPLETED OPERATIONS. Clearly show all pertine	ent details including dates, depths, v	olumes, etc.
Gasco finished repa existing productive PBTD @ 12,900'. Zo	airing tubing, cleaning out casing interval on 2/12/2010. Scale wa one 1 was reperforated w/ 6 SPF	g and reperforating an as cleaned out to a new A from 12,850'-12,858'. U 3/8" 4.7# N-80 tubin gi l	Accepted by the Jtah Division of
NAME (PLEASE PRINT) Matt Owens	PHONE NUMBER 303 996-1839	TITLE Petroleum Engineer	
SIGNATURE N/A		DATE 3/2/2010	

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MININ	NG	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-75083
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QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWNE Section: 20	P, RANGE, MERIDIAN: Township: 10.0S Range: 17.0E Meridian: S		STATE: UTAH
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Approximate date work will start:	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
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Date of Spud:	✓ REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	✓ TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
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NAME (PLEASE PRINT) Matt Owens	PHONE NUMBER 303 996-1839	TITLE Petroleum Engineer	
SIGNATURE N/A		DATE 3/2/2010	

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MININ	IG	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-75083
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11. CHE	CK APPROPRIATE BOXES TO INDICATE I	NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
Gasco would like to state approved con Range 4 west in Nor	ACIDIZE	Vater management, LLC in Section 30, 2 south could be used in addition asco uses to dispose of	CASING REPAIR CHANGE WELL NAME CONVERT WELL TYPE NEW CONSTRUCTION PLUG BACK RECOMPLETE DIFFERENT FORMATION TEMPORARY ABANDON WATER DISPOSAL APD EXTENSION OTHER: Olumes, etc. ACCEPTED by the Utah Division of Oil, Gas and Mining Ate: 12/30/2010
NAME (PLEASE PRINT) Roger Knight	PHONE NUMBER 303 996-1803	TITLE EHS Supervisor	
SIGNATURE		DATE 12/29/2010	



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
440 West 200 South, Suite 500
Salt Lake City, UT 84101

http://www.blm.gov/ut/st/en.html

FEB 0 5 2013

IN REPLY REFER TO: 3180 (UTU81153X) UT-922000

Ms. Frankie L. Martinez Gasco Energy, Inc. 7979 East Tufts Avenue, Suite 1150 Denver, Colorado 80237

Re:

Automatic Contraction

Wilkin Ridge (Deep) Unit

Uintah and Duchesne Counties, Utah

Dear Ms. Martinez:

Your letter of January 24, 2013, describes the lands automatically eliminated effective September 17, 2012, from the Wilkin Ridge (Deep) Unit Area, Uintah and Duchesne Counties, Utah, pursuant to Section 2(e) of the unit agreement and requests our concurrence. The lands you have described contain 44,447.23 acres, more or less, and constitute all legal subdivisions, no parts of which are included in the Wilkin Ridge (Deep) Participating Areas "A" and "B". As a result of the automatic contraction, the unit is reduced to 480.00 acres.

The following Federal Leases are entirely eliminated from the unit area:

UTU56947	UTU75084	UTU77063	UTU88144
UTU68387	UTU75085	UTU78214	UTU88204
UTU68620*	UTU75086	UTU78215	
UTU74400	UTU75087	UTU78216	
UTU74401	UTU75088	UTU80950	•
UTU74402	UTU75235	UTU81003*	
UTU74403	UTU75236	UTU81706*	
UTU74407	UTU75514	UTU82704	
UTU74408	UTU75515	UTU82705	•
UTU74836	UTU75672	UTU84262	Tract No. 43 UNLEASED*
UTU74968	UTU76031	UTU84263	
UTU74971	UTU76032	UTU84264	
UTU75079	UTU76256	UTU84265	
UTU75080	UTU76258	UTU88068	•
UTU75081	UTU76716	UTU88069	
UTU75082	UTU76717	UTU88072	

^{*}Indicates non-committed lease

The following Federal Leases are partially eliminated from the unit area:

UTU65632

UTU75083

You have complied with the requirements of Section 2(e), provided you promptly notify all interested parties. If you have any questions, please contact Judy Nordstrom at (801) 539-4108.

Sincerely,

Roger L. Bankert

Chief, Branch of Minerals

Rya & Bankant

Enclosure

cc: [

UDOGM

SITLA

ONRR w/Exhibit "B" (Attn: Nancy McCarthy) (UTG01) BLM FOM - Vernal w/enclosure

Division of Oil, Gas and Mining

Operator Change/Name Change Worksheet-for State use only

Effective Date:

4/16/2015

FORMER OPERATOR:	NEW OPERATOR:
Gasco Prodcution Company N2575	Badlands Production Company N4265
7979 E. Tufts Avenue, Suite 11500	7979 E. Tufts Avenue, Suite 11500
Denver, CO 80237	Denver, CO 80237
303-996-1805	303-996-1805
CA Number(s):	Unit(s):Gate Canyon, Wilkin Ridge Deep, RBU-EOR-GRRV

WELL INFORMATION:

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Туре	Status
See Attached List									

OPERATOR CHANGES DOCUMENTATION:

1. Sundry or legal documentation was received from the **FORMER** operator on:

6/2/2015

2. Sundry or legal documentation was received from the **NEW** operator on:

6/2/2015

3. New operator Division of Corporations Business Number:

1454161-0143

REVIEW:

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on:

6/2/2015

2. Receipt of Acceptance of Drilling Procedures for APD on:

N/A

3. Reports current for Production/Disposition & Sundries:

6/3/2015

4. OPS/SI/TA well(s) reviewed for full cost bonding:

1/20/2016

5. UIC5 on all disposal/injection/storage well(s) approved on:

N/A

6. Surface Facility(s) included in operator change:

None

7. Inspections of PA state/fee well sites complete on (only upon operators request):

N/A

NEW OPERATOR BOND VERIFICATION:

1. Federal well(s) covered by Bond Number:

SUR0027842

2. Indian well(s) covered by Bond Number:

N/A

3.State/fee well(s) covered by Bond Number(s):

SUR0027845

SUR0035619 -FCB

DATA ENTRY:

1. Well(s) update in the OGIS on:	1/22/2016
2. Entity Number(s) updated in OGIS on:	1/22/2016
3. Unit(s) operator number update in OGIS on:	1/22/2016
4. Surface Facilities update in OGIS on:	N/A
5. State/Fee well(s) attached to bond(s) in RBDMS on:	1/22/2016
6. Surface Facilities update in RBDMS on:	N/A

LEASE INTEREST OWNER NOTIFICATION:

1. The **NEW** operator of the Fee (Mineral) wells has been contacted and informed by a letter from the Division

of their responsibility to notify all interest owners of this change on:

1/22/2016

COMMENTS:

Effective Date: 4/16/2015		T	1-00			1	1		T
Well Name	Section	TWN	-	API Number	Entity	Mineral	Surface	Туре	Status
FEDERAL 23-18G-9-19	18	090S		4304752496		Federal	Federal		APD
FEDERAL 14-17G-9-19	17	090S		4304752522		Federal	Federal		APD
FEDERAL 13-18G-9-19	18	090S		4304752538		Federal	Federal	_	APD
FEDERAL 23-29G-9-19	29	090S		4304752544		Federal	Federal	+	APD
FEDERAL 24-20G-9-19	20	090S	190E	4304752545		Federal	Federal	1	APD
FEDERAL 31-21G-9-19	21	090S	190E	4304752546		Federal	Federal	OW	APD
Federal 323-29-9-19	29	090S	190E	4304753026		Federal	Federal	GW	APD
Federal 421-29-9-19	29	090S	190E	4304753027		Federal	Federal	GW	APD
Federal 322-29-9-19	29	090S	190E	4304753029		Federal	Federal	GW	APD
Federal 431-29-9-19	29	090S	190E	4304753030		Federal	Federal	GW	APD
Federal 432-29-9-19	29	090S	190E	4304753031		Federal	Federal	GW	APD
Federal 414-29-9-19	29	090S	190E	4304753070	•	Federal	Federal	GW	APD
FEDERAL 412-29-9-19	29	0908	190E	4304753073		Federal	Federal	GW	APD
FEDERAL 213-29-9-19	29	0908	190E	4304753076		Federal	Federal	GW	APD
federal 321-29-9-19	29	0908		4304753078	(m m)	Federal	Federal	GW	APD
FEDERAL 213-29-9-19	29	090S	1	4304753079		Federal	Federal	GW	APD
FEDERAL 321-29-9-19	29	090S		4304753080		Federal	Federal	GW	APD
Federal 212-29-9-19	29	090S		4304753133		Federal	Federal	GW	APD
State 321-32-9-19	32	090S		4304754479		State	State	GW	APD
State 423-32-9-19	32	090S	1	4304754480		State	State	GW	APD
State 421-32-9-19	32	090S	-	4304754481	-	State	State	GW	APD
State 413-32-9-19	32	090S	-	4304754482	1	State	State	GW	APD
State 323-32-9-19	32	090S	-	4304754483	 	State	State	GW	APD
State 431-32-9-19	32	090S		4304754529	ļ	State	State	GW	APD
The state of the s				4304754541			-	-	-
Desert Spring State 224-36-9-18	36	090S			1	State	State	GW	APD
Desert Spring State 243-36-9-18	36	090S	-	4304754542		State	State	GW	APD
Desert Spring State 241-36-9-18	36	0908		4304754543	10650	State	State	GW	APD
FEDERAL 332-30-9-19	30	0908		4304753012		Federal	Federal	GW	DRL
WILKIN RIDGE FED 43-29-10-17	29	100S		4301333098	-	Federal	Federal	GW	OPS
LAMB TRUST 11-23-9-19	23	090S		4304736915	16556		Fee	GW	OPS
SHEEP WASH FED 43-26-9-18	26	090S		4304738573		Federal	Federal	GW	OPS
FEDERAL 13-19-9-19	19	090S	-	4304739777		Federal	Federal	-	OPS
FEDERAL 12-17-9-19	17	090S	-	4304739800			Federal	+	OPS
GATE CYN 31-21-11-15	21	110S		4301332391	13787		State	GW	P
WILKIN RIDGE ST 12-32-10-17	32		-	4301332447		-	State		P
GATE CYN 41-20-11-15	20	110S	-	4301332475	-		State	GW	P
WILKIN RIDGE FED 34-17-10-17	17	100S	170E	4301332560	14726	Federal	Federal	GW	P
GATE CYN 41-19-11-16	19	110S	160E	4301332611	14439	Federal	Federal	GW	P
WILKIN RIDGE ST 44-32-10-17	32	100S	170E	4301332619	15649	State	State	GW	P
WILKIN RIDGE FED 12-4-11-17	4	110S	170E	4301332674	15537	Federal	Federal	GW	P
WILKIN RIDGE ST 24-32-10-17	32	100S	170E	4301332676	15242	State	State	GW	P
WILKIN RIDGE FED 23-29-10-17	29	100S	170E	4301332679	14033	Federal	Federal	GW	P
GATE CYN ST 23-16-11-15	16	110S	150E	4301332685	16082	State	State	GW	P
WILKIN RIDGE ST 34-16-10-17	16	1008	-	4301332730	15243		State	GW	P
WILKIN RIDGE FED 31-29-10-17	29	100S		4301332773		Federal	Federal	+ -	P
WILKIN RIDGE 32-08	8	110S	1	4301332778			Federal		P
GATE CYN ST 23-16-11-16	16	1105	-	4301332888			State	-	P
WILKIN RIDGE FED 24-20-10-17	20	1008				Federal	Federal		P
WILKIN RIDGE FED 32-20-10-17	20	100S	1	4301333087		Federal	Federal		P
WILKIN RIDGE FED 14-4-11-17	4	110S	-	4301333099	-		Federal	-	P
RYE PATCH FED 22-21	22	110S		4301333037		Federal	Federal		P
RYE PATCH FED 22-21 RYE PATCH FED 24-21	24	1105	+	4301333437		Federal	Federal	-	P
The second of th	2		1						P
SQUAW CROSSING U 5	-	1005	-	4304730129	16266		State	OW	-
RBU 5-11D	11	1008	_		9005	Federal	Federal		P
FEDERAL 7-25A	25	090S	INOF	4304730624	9030	Federal	Federal	UW	P

RBU 6-2D	2	100S	180E 4304731190 7075 State State OW P)
NGC 33-18J	18	090S	190E 4304731190 7073 State State OW P	
	2	100S	180E 4304731280 16267 State State OW P	
RBU 13-2D	3			
RBU 16-3D		1005		
RBU 10-11D	11	100S	180E 4304731357 7053 Federal Federal OW P	
RBU 8-10D	10	1008	180E 4304731364 4955 Federal Federal OW P	
RBU 15-3D	3	100S	180E 4304731539 9965 Federal Federal OW P	
RBU 12-12D	12	1008	180E 4304731651 10688 Federal Federal OW P	
RBU 2-10D	10	100S	180E 4304731801 10784 Federal Federal OW P	
RBU 3-15D	15	100S	180E 4304733600 13213 Federal Federal OW P	
RBU 3-12D	12	100S	180E 4304733739 14492 Federal Federal OW P	
STATE 7-36A	36	090S	180E 4304733741 14244 State State GW P	
FEDERAL 34-29	29	090S	190E 4304733750 13174 Federal Federal GW P	
FEDERAL 24-7 #1	7	100S	180E 4304733983 13182 Federal Federal GW P	•
FEDERAL 23-29 #1	29	090S	190E 4304734111 13441 Federal Federal GW P	•
FED 24-20-9-19	20	090S	190E 4304734168 14150 Federal Federal GW P	•
FED 44-20-9-19	20	090S	190E 4304734169 14140 Federal Federal GW P)
FED 23-21-9-19	21	090S	190E 4304734199 13601 Federal Federal GW P	•
FED 32-31-9-19	31	090S	190E 4304734201 13641 Federal Federal GW P)
FED 42-29-9-19	29	090S	190E 4304734202 13455 Federal Federal GW P)
PETES WASH 23-12 #1	12	100S	170E 4304734286 13492 Federal Federal GW P)
STATE 4-32B	32	090S	190E 4304734314 14440 State State GW P	
FED 14-18-2 #1	18	100S	180E 4304734539 13491 Federal Federal GW P	
FED 43-24-3 #1	24	100S	170E 4304734551 13726 Federal Federal GW P	
LYTHAM FED 22-22-9-19	22	0908	190E 4304734607 13640 Federal Federal GW P	
FED 11-21-9-19	21	0908	190E 4304734608 14151 Federal Federal GW P	
FED 22-30-10-18	30	100S	180E 4304734924 14280 Federal Federal GW P	
FEDERAL 43-30-9-19	30	090S	190E 4304735343 14202 Federal Federal GW P	
FED 11-22-9-19	22	090S	190E 4304735404 14203 Federal Federal GW P	
FED 42-21-9-19	21	090S	190E 4304735405 14928 Federal Federal GW P	
	16			
STATE 24-16-9-19		0908		
FEDERAL 31-21-9-19	21	090S	190E 4304735606 14441 Federal Federal GW P	
FEDERAL 12-29-9-19	29	0908	190E 4304735614 14442 Federal Federal GW P	
FEDERAL 24-31-9-19	31	090S	190E 4304735623 14640 Federal Federal GW P	-
FEDERAL 41-31-9-19	31	0908	190E 4304735624 14419 Federal Federal GW P	
LAMB TRUST 24-22-9-19	22		190E 4304735732 14496 Fee Fee GW P	
LAMB TRUST 24-14-9-19	14		190E 4304735733 14519 Fee Fee GW P	
FEDERAL 11-22-10-18	22		180E 4304735808 15592 Federal Federal GW P	
FEDERAL 21-6-10-19	6	100S	190E 4304735844 14356 Federal Federal GW P	
DESERT SPRING ST 41-36-9-18	36	090S	180E 4304735845 14639 State State GW P	
STATE 12-32-9-19	32	0908	190E 4304735995 14871 State State GW P	
FEDERAL 12-20-9-19	20	090S	190E 4304736093 14976 Federal Federal GW P)
FEDERAL 32-20-9-19	20	090S	190E 4304736094 16120 Federal Federal GW P	
FEDERAL 23-30-9-19	30	090S	190E 4304736095 14872 Federal Federal GW P)
SHEEP WASH FED 34-26-9-18	26	090S	180E 4304736113 15096 Federal Federal GW P)
DESERT SPRING ST 23-36-9-18	36	090S	180E 4304736219 14738 State State GW P)
DESERT SPRING ST 21-36-9-18	36	090S	180E 4304736220 14763 State State GW P)
DESERT SPRING ST 12-36-9-18	36	090S	180E 4304736233 14764 State State GW P	
DESERT SPRING ST 43-36-9-18	36	090S	180E 4304736241 14992 State State GW P	•
DESERT SPRING ST 34-36-9-18	36	090S	180E 4304736242 14716 State State GW P)
FEDERAL 14-31-9-19	31	090S	190E 4304736271 15884 Federal Federal GW P)
FEDERAL 12-31-9-19	31	090S	190E 4304736336 15086 Federal Federal GW P	
FEDERAL 21-31-9-19	31	0908	190E 4304736368 15605 Federal Federal GW P	
FEDERAL 23-31-9-19	31	0908	190E 4304736442 15715 Federal Federal GW P	
SHEEP WASH FED 43-25-9-18	25	090S	180E 4304736600 14977 Federal Federal GW P	
FEDERAL 43-19-9-19	19	090S	190E 4304736719 15186 Federal Federal GW P	
1 DDDIM1D 7J-17-7-17	17	10703	I TOUCH TOUT I TO I TOUCHAI TOUCHAI UW F	

CHEED WASH DED OF O 10	- 105	0000	100E 4004504505	15675	P. 1 2	F. 2 1	CITY	D
SHEEP WASH FED 21-25-9-18	25	090S	180E 4304736727			Federal	GW	P
FEDERAL 21-30-9-19	30	0908	190E 4304736739		Federal	Federal	GW	P
SHEEP WASH FED 23-25-9-18	25	090S	180E 4304736740		Federal	Federal	GW	P
FEDERAL 23-19-9-19	19	090S	190E 4304736771		Federal			P
SHEEP WASH FED 41-25-9-18	25	090S	180E 4304736772		+	Federal	+	P
FEDERAL 41-30-9-19	30		190E 4304736817			Federal	GW	P
LAMB TRUST 34-22-9-19	22	090S	190E 4304736913		+	Fee	GW	P
LAMB TRUST 14-14-9-19	14	090S	190E 4304736916			Fee	GW	P
DESERT SPRING ST 33-36-9-18	36	090S	180E 4304737115	 		State	GW	P
FEDERAL 14-17-9-19	17	0908	190E 4304737116		Federal	Federal	+	P
FEDERAL 34-18-9-19	18		190E 4304737117		Federal	Federal		P
UTELAND ST 41-2-10-18	2	100S	180E 4304737132	15087	-	State	GW	P
UTELAND ST 43-2-10-18	2	1005	180E 4304737338	-		State	GW	P
FEDERAL 41-19-9-19	19	0908			Federal	Federal	_	P
FEDERAL 32-30-9-19	30	0908	190E 4304737612		 	Federal		P
FEDERAL 12-30-9-19	30	0908	190E 4304737613	 	+	Federal		P
FEDERAL 21-19-9-19	19		190E 4304737621		Federal		GW	P
FEDERAL 14-18-9-19	18	0908	190E 4304737622			Federal		P
FEDERAL 34-30-9-19	30	090S	190E 4304737630	 		Federal		P
DESERT SPRING FED 21-1-10-18	1	1008	180E 4304737631			Federal	+	P
FEDERAL 12-1-10-18	1	1005	180E 4304737646		+	Federal	+	P
SHEEP WASH FED 14-25-9-18	25	090S	180E 4304737647	•	+	Federal		P
UTELAND ST 21-2-10-18	2	100S	180E 4304737676			State	GW	P
UTELAND ST 12-2-10-18	2	100S		15806		State	GW	P
UTELAND ST 34-2-10-18	2	100S		16868	+	State	GW	P
FEDERAL 14-19-9-19	19	090S	190E 4304738336		+	Federal	+	P
FEDERAL 34-19-9-19	19	090S			Federal	Federal	_	P
SHEEP WASH FED 41-26-9-18	26	0908			Federal	Federal		P
SHEEP WASH FED 32-25-9-18	25	0908	180E 4304738352		Federal	Federal		P
SHEEP WASH FED 34-25-9-18	25 19	090S 090S			Federal	Federal Federal		P
FEDERAL 12-19-9-19	26	090S	190E 4304738407 180E 4304738465			Federal	GW	P
SHEEP WASH FED 23-26-9-18	25	0908			Federal Federal			P
SHEEP WASH FED 12-25-9-18	18	090S	190E 4304738575			Federal	GW	P
FEDERAL 23-18-9-19 LAMB TRUST 34-22A-9-19	22		190E 4304738573 190E 4304738673			Federal		P
UTELAND FED 42-11-10-18	11		180E 4304738896			Fee	GW	P
	32	090S	190E 4304739170					P
STATE 22 22A	32		190E 4304739170 190E 4304739171			State	GW	P
STATE 21-22A	32	0908	190E 4304739171 190E 4304739172			State	GW	P
STATE 21-32A	19	090S 090S	190E 4304739172 190E 4304739717			State Federal	GW	
FEDERAL 11-19-9-19 SHEEP WASH FED 31-25-9-18	25	_	180E 4304739717				_	P P
		0908				Federal	+	+
SHEEP WASH FED 11-25-9-18 DESERT SPG FED 41-1-10-18	25 1	090S 100S	180E 4304739730 180E 4304739773		Federal	Federal	 	P
FED 32-19X-9-19(RIGSKID)	19	090S			Federal	Federal		P
FEDERAL 23-30G-9-19	30	090S			Federal	Federal Federal		P P
FEDERAL 23-30G-9-19 FEDERAL 34-19G-9-19	19	090S	190E 4304751281			Federal		P
FEDERAL 34-19G-9-19 FEDERAL 442-30-9-19	30	090S	190E 4304751281 190E 4304752870		†	Federal	 	P
FEDERAL 333-30-9-19	30	090S	190E 4304752870 190E 4304752872			Federal		P
FEDERAL 423-30-9-19	30	090S	190E 4304752872 190E 4304753011			Federal		P
Desert Springs State 412-36-9-18	36	090S	180E 4304753324			State	GW	P
	36	090S	180E 4304753324 180E 4304753325		-		+	P
Desert Springs State 424-36-9-18 Desert Springs State 123-26-9-18	36	090S	· · · · · · · · · · · · · · · · · · ·		·	State	GW	P
Desert Spring State 133-36-9-18			180E 4304753326			State	GW	
Desert Spring State 142-36-9-18	36	0908	180E 4304753327			State	GW	P
DESERT SPRINGS ST 422-36-9-18	36	0908	180E 4304753328			State	GW	P
WILKIN RIDGE ST 31-32-10-17	32	100S	170E 4301332677			State	GW	S
RBU 4-11D	11	100S	180E 4304730718	10209	rederal	Federal	UW	S

RBU 2-11D	11	100S	180E	4304730826	16270	Federal	Federal	ow	S
RBU 6-11D	11	100S	180E	4304731192	16271	Federal	Federal	OW	S
STATE 2-32B	32	090S	190E	4304732221	11371	State	State	GW	S
STATE 9-36A	36	090S	180E	4304732225	11364	State	State	GW	S
FEDERAL 13-30B	30	090S	190E	4304733581	13249	Federal	Federal	GW	S
STATE 13-36A	36	090S	180E	4304733598	17838	State	State	GW	S
FEDERAL 16-26A	26	090S	180E	4304733601	12928	Federal	Federal	GW	S
FEDERAL 31-29	29	090S	190E	4304733653	13077	Federal	Federal	GW	S
RBU 1-10D	10	100S	180E	4304734312	16265	Federal	Federal	OW	S
FEDERAL 13-18-9-19	18	090S	190E	4304739776	17149	Federal	Federal	GW	S

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

ı	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76482		
SUNDRY	NOTICES AND REPORTS ON WE	LS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill n drill horizontal la	wwwells, significantly deepen existing wells below current bottom-hole deerals. Use APPLICATION FOR PERMIT TO DRILL form for such propor	pth, reenter plugged wells, or to als.	7. UNIT OF CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL	GAS WELL OTHER		8. WELL NAME and NUMBER: Desert Spring Fed 21-1-10-18
2. NAME OF OPERATOR:			9. API NUMBER: 4304737631
Gasco Production Compa		PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
7979 E. Tufts Ave.	Denver STATE CO ZIP 80237	(303) 483-0044	Uteland Butte
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0633 F	NL 1512 FWL		соинту: Uintah
QTR/QTR, SECTION, TOWNSHIP, RAN	SE, MERIDIAN: NENW 1 10S 18E S		STATE: UTAH
11. CHECK APPE	OPRIATE BOXES TO INDICATE NATURE	OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION		YPE OF ACTION	
Gasco Production Compar Production Company to Ba Gasco Production Compar 7979 E Tufts Ave, Suite 11	CHANGE TO PREVIOUS PLANS CHANGE TUBING CHANGE WELL NAME CHANGE WELL STATUS COMMINGLE PRODUCING FORMATIONS CONVERT WELL TYPE MPLETED OPERATIONS. Clearly show all pertinent details in any requests a change of operator on this well dlands Production Company, effective date	STRUCTION R CHANGE D ABANDON K HON (START/RESUME) TION OF WELL SITE ETE - DIFFERENT FORMATION RICHIDING dates, depths, volume I, in addition to the we	
Denver CO 80237 303-996-1805 Michael Decker, Exec. Vice	President & COO		"and from had how \$ 3. 5 hour lived"
Dadlanda Desdesation Occ			RECEIVED
Badlands Production Comp 7979 E Tufts Ave, Suite 11 Denver CO 80237			JUN 0 2 2015
Michael Decker, Exec. Vice	President & COO	DIV.	OF OIL, GAS & MINING
NAME (PLEASE PRINT) Lindsey Co	oke nit	Engineering Tech	1
SIGNATURE AMBLI	COOKE DA	5/18/2015	
(This space for State use only)		AP	PROVED

Well Name	Section	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
FEDERAL 332-30-9-19	30	090S	190E	4304753012	19650	Federal	Federal	GW	DRL
WILKIN RIDGE FED 43-29-10-17	29	100S	170E	4301333098	15941	Federal	Federal	GW	OPS
LAMB TRUST 11-23-9-19	23	090S	190E	4304736915	16556	Fee	Fee	GW	OPS
SHEEP WASH FED 43-26-9-18	26	090S	180E	4304738573	17201	Federal	Federal	GW	OPS
FEDERAL 13-19-9-19	19	090S	190E	4304739777	18344	Federal	Federal	GW	OPS
FEDERAL 12-17-9-19	17	090S	190E	4304739800	17202	Federal	Federal	GW	OPS
GATE CYN 31-21-11-15	21	1108	150E	4301332391	13787	State	State	GW	P
WILKIN RIDGE ST 12-32-10-17	32	100S	170E	4301332447	14033	State	State	GW	P
GATE CYN 41-20-11-15	20	110S	150E	4301332475	14417	State	State	GW	P
WILKIN RIDGE FED 34-17-10-17	17	100S	170E	4301332560	14726	Federal	Federal	GW	P
GATE CYN 41-19-11-16	19	1108	160E	4301332611	14439	Federal	Federal	GW	P
WILKIN RIDGE ST 44-32-10-17	32	100S	170E	4301332619	15649	State	State	GW	P
WILKIN RIDGE FED 12-4-11-17	4	110S	170E	4301332674	15537	Federal	Federal	GW	P
WILKIN RIDGE ST 24-32-10-17	32	100S	170E	4301332676	15242	State	State	GW	P
WILKIN RIDGE FED 23-29-10-17	29	100S	170E	4301332679	14033	Federal	Federal	GW	P
GATE CYN ST 23-16-11-15	16	110S	150E	4301332685	16082	State	State	GW	P
WILKIN RIDGE ST 34-16-10-17	16	100S	170E	4301332730	15243	State	State	GW	P
WILKIN RIDGE FED 31-29-10-17	29	100S	170E	4301332773	15370	Federal	Federal	GW	P
WILKIN RIDGE 32-08	8	1108	170E	4301332778	14802	Federal	Federal	GW	P
GATE CYN ST 23-16-11-16	16	1108	160E	4301332888	15098	State	State	GW	P
WILKIN RIDGE FED 24-20-10-17	20	100S	170E	4301333081	15714	Federal	Federal	GW	P
WILKIN RIDGE FED 32-20-10-17	20	100S	170E	4301333087	15807	Federal	Federal	GW	P
WILKIN RIDGE FED 14-4-11-17	4	110S	170E	4301333099	15920	Federal	Federal	GW	P
RYE PATCH FED 22-21	22	1108	140E	4301333437	16919	Federal	Federal	GW	P
RYE PATCH FED 24-21	24	1108	140E	4301333443	16367	Federal	Federal	GW	P
RBU 5-11D	11	1008	180E	4304730409	9005	Federal	Federal	OW	P
FEDERAL 7-25A	25	090S	180E	4304730624	9030	Federal	Federal	OW	P
RBU 6-2D	2	100\$	180E	4304731190	7075	State	State	OW	P
NGC 33-18J	18	0908	190E	4304731200	6155	Federal	Federal	OW	P
RBU 13-2D	2	1008	180E	4304731280	16267	State	State	OW	P
RBU 16-3D	3	1008	180E	4304731352	16268	Federal	Federal	OW	P
RBU 10-11D	11	1008	180E	4304731357	7053	Federal	Federal	OW	P
RBU 8-10D	10	100S	180E	4304731364	4955	Federal	Federal	OW	P
RBU 15-3D	3	100S	180E	4304731539	9965	Federal	Federal	OW	P
RBU 12-12D	12	100S	180E	4304731651	10688	Federal	Federal	OW	P
RBU 2-10D	10	1008	180E	4304731801	10784	Federal	Federal	OW	P
RBU 3-15D	15	100S	180E	4304733600	13213	Federal	Federal	OW	P
RBU 3-12D	12	1005	180E	4304733739	14492	Federal	Federal	OW	P
STATE 7-36A	36	090S	180E	4304733741	14244	State	State	GW	P
FEDERAL 34-29	29	090\$	190E	4304733750	13174	Federal	Federal	GW	P
FEDERAL 24-7 #1	7	100S	180E	4304733983	13182	Federal	Federal	GW	P
FEDERAL 23-29 #1	29	090S	190E	4304734111	13441	Federal	Federal	GW	P
FED 24-20-9-19	20	0908	190E	4304734168	14150	Federal	Federal	GW	P
FED 44-20-9-19	20	0908	190E	4304734169	14140	Federal	Federal	GW	P
FED 23-21-9-19	21	0908	190E	4304734199	13601	Federal	Federal	GW	P
FED 32-31-9-19 FED 42-29-9-19	31 29	090S 090S	190E 190E	4304734201 4304734202	13641 13455	Federal Federal	Federal Federal	GW GW	P P
PETES WASH 23-12 #1			170E			Federal		GW	
	12 32	1008		4304734286	13492	State	Federal State		P P
STATE 4-32B		090\$	190E 180E	4304734314	14440			GW GW	
FED 14-18-2 #1	18	100S		4304734539	13491	Federal	Federal Federal		P
FED 43-24-3 #1 LYTHAM FED 22-22-9-19	24 22	100S 090S	170E 190E	4304734551 4304734607	13726 13640	Federal Federal	Federal	GW GW	P P
FED 11-21-9-19 FED 22-30-10-18	21 30	090S 100S	190E 180E	4304734608 4304734924	14151 14280	Federal Federal	Federal Federal	GW GW	P P
			190E		14202	Federal	Federal	GW	
FEDERAL 43-30-9-19	30	0908		4304735343					P P
FED 11-22-9-19 FED 42-21-9-19	22 21	090S 090S	190E 190E	4304735404 4304735405	14203 14928	Federal Federal	Federal Federal	GW GW	P P
STATE 24-16-9-19	16	090S	190E	4304735588	14418	State	Federal	GW	r P
31A1E 44-10-7-17	10	いろいろ	IYUE	4JU4/JJJ00	14419	SIMIC	reuerai	UW	Г

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FEDERAL 31-21-9-19	21	090S	190E	4304735606	14441	Federal	Federal	GW	P
FEDERAL 12-29-9-19	29	090S	190E	4304735614	14442	Federal	Federal	GW	P
FEDERAL 24-31-9-19	31	090S	190E	4304735623	14640	Federal	Federal	GW	P
FEDERAL 41-31-9-19	31	090S	190E	4304735624	14419	Federal	Federal	GW	P
LAMB TRUST 24-22-9-19	22	090S	190E	4304735732	14496	Fee	Fee	GW	P
LAMB TRUST 24-14-9-19	14	090S	190E	4304735733	14519	Fee	Fee	GW	P
FEDERAL 11-22-10-18	22	100S	180E	4304735808	15592	Federal	Federal	GW	P
FEDERAL 21-6-10-19	6	100S	190E	4304735844	14356	Federal	Federal	GW	P
DESERT SPRING ST 41-36-9-18	36	090S	180E	4304735845	14639	State	State	GW	P
STATE 12-32-9-19	32	090S	190E	4304735995	14871	State	State	GW	P
FEDERAL 12-20-9-19	20	090S	190E	4304736093	14976	Federal	Federal	GW	P
									P
FEDERAL 32-20-9-19	20	090S	190E	4304736094	16120	Federal	Federal	GW	-
FEDERAL 23-30-9-19	30	090S	190E	4304736095	14872	Federal	Federal	GW	P
SHEEP WASH FED 34-26-9-18	26	090\$	180E	4304736113	15096	Federal	Federal	GW	P
DESERT SPRING ST 23-36-9-18	36	090S	180E	4304736219	14738	State	State	GW	P
DESERT SPRING ST 21-36-9-18	36	090S	180E	4304736220	14763	State	State	GW	P
DESERT SPRING ST 12-36-9-18	36	090S	180E	4304736233	14764	State	State	GW	P
DESERT SPRING ST 43-36-9-18	36	090S	180E	4304736241	14992	State	State	GW	P
DESERT SPRING ST 34-36-9-18	36	090S	180E	4304736242	14716	State	State	GW	P
FEDERAL 14-31-9-19	31	090S	190E	4304736271	15884	Federal	Federal	GW	P
FEDERAL 12-31-9-19	31	090S	190E	4304736336	15086	Federal	Federal	GW	P
FEDERAL 21-31-9-19	31	090S	190E	4304736368	15605	Federal	Federal	GW	P
FEDERAL 23-31-9-19	31	0908	190E	4304736442	15715	Federal	Federal	GW	P
SHEEP WASH FED 43-25-9-18	25	090S	180E	4304736600	14977	Federal	Federal	GW	P
FEDERAL 43-19-9-19	19	090S	190E	4304736719	15186	Federal	Federal	GW	P
SHEEP WASH FED 21-25-9-18	25	090S	180E	4304736727	15475	Federal	Federal	GW	P
									P
FEDERAL 21-30-9-19	30	090\$	190E	4304736739	15476	Federal	Federal	GW	_
SHEEP WASH FED 23-25-9-18	25	090S	180E	4304736740	15213	Federal	Federal	GW	P
FEDERAL 23-19-9-19	19	090S	190E	4304736771	15355	Federal	Federal	GW	P
SHEEP WASH FED 41-25-9-18	25	090\$	180E	4304736772	15338	Federal	Federal	GW	P
FEDERAL 41-30-9-19	30	090S	190E	4304736817	15212	Federal	Federal	GW	P
LAMB TRUST 34-22-9-19	22	090S	190E	4304736913	15187	Fee	Fee	GW	P
LAMB TRUST 14-14-9-19	14	090S	190E	4304736916	17012	Fee	Fee	GW	P
DESERT SPRING ST 33-36-9-18	36	090S	180E	4304737115	15011	State	State	GW	P
FEDERAL 14-17-9-19	17	090S	190E	4304737116	16163	Federal	Federal	GW	P
FEDERAL 34-18-9-19	18	090S	190E	4304737117	16275	Federal	Federal	GW	P
UTELAND ST 41-2-10-18	2	100S	180E	4304737132	15087	State	State	GW	P
UTELAND ST 43-2-10-18	2	100S	180E	4304737338	15365	State	State	GW	P
FEDERAL 41-19-9-19	19	090S	190E	4304737611	16311	Federal	Federal	GW	P
FEDERAL 32-30-9-19	30	090S	190E	4304737612	16051	Federal	Federal	GW	P
FEDERAL 12-30-9-19	30	090S		4304737613		Federal	Federal	GW	P
FEDERAL 21-19-9-19	19	090S	190E		16253	Federal	Federal	GW	P
FEDERAL 14-18-9-19		090S	190E	4304737622	16264	Federal	Federal	GW	
	18					Federal			P
FEDERAL 34-30-9-19	30	090S	190E	4304737630	16557		Federal	GW	P
DESERT SPRING FED 21-1-10-18		100S	180E	4304737631	15961	Federal	Federal	GW	P
FEDERAL 12-1-10-18	1	100S	180E	4304737646	16023	Federal	Federal	GW	P
SHEEP WASH FED 14-25-9-18	25	0908	180E	4304737647	16121	Federal	Federal	GW	P
UTELAND ST 21-2-10-18	2	100S	180E	4304737676	16254	State	State	GW	P
UTELAND ST 12-2-10-18	2	100S	180E	4304737677	15806	State	State	GW	P
UTELAND ST 34-2-10-18	2	100S	180E	4304738028	16868	State	State	GW	P
FEDERAL 14-19-9-19	19	090S	190E	4304738336	16467	Federal	Federal	GW	P
FEDERAL 34-19-9-19	19	090S	190E	4304738337	16119	Federal	Federal	GW	P
SHEEP WASH FED 41-26-9-18	26	090S	180E	4304738351	16884	Federal	Federal	GW	P
SHEEP WASH FED 32-25-9-18	25	090S	180E	4304738352	16349	Federal	Federal	GW	P
SHEEP WASH FED 34-25-9-18	25	090S	180E	4304738353	16210	Federal	Federal	GW	P
FEDERAL 12-19-9-19	19	090S	190E	4304738407	16236	Federal	Federal	GW	P
SHEEP WASH FED 23-26-9-18	26	090S	180E	4304738465	16558	Federal	Federal	GW	P
SHEEP WASH FED 12-25-9-18	25	090S	180E	4304738469	16449	Federal	Federal	GW	P
FEDERAL 23-18-9-19	18	090S	190E	4304738575	16312	Federal	Federal	GW	P
	10	0700	LOUD	.507,505/3	10012	. Julia	. Judai	J 11	•

LAMB TRUST 34-22A-9-19	22	090S	190E	4304738673	15832	Fee	Fee	GW	P
UTELAND FED 42-11-10-18	11	1005	180E	4304738896	16792	Federal	Federal	GW	P
STATE 21-32B	32	0908	190E	4304739170	16309	State	State	GW	P
STATE 22-32A	32	090S	190E	4304739171	16308	State	State	GW	P
STATE 21-32A	32	0908	190E	4304739172	16310	State	State	GW	P
FEDERAL 11-19-9-19	19	090S	190E	4304739717	17054	Federal	Federal	GW	P
SHEEP WASH FED 31-25-9-18	25	090S	180E	4304739729	17241	Federal	Federal	GW	P
SHEEP WASH FED 11-25-9-18	25	090S	180E	4304739730	17266	Federal	Federal	GW	P
DESERT SPG FED 41-1-10-18	1	100S	180E	4304739773	17013	Federal	Federal	GW	P
FED 32-19X-9-19(RIGSKID)	19	0908	190E	4304740233	17014	Federal	Federal	GW	P
FEDERAL 23-30G-9-19	30	0908	190E	4304751280	18211	Federal	Federal	OW	P
FEDERAL 34-19G-9-19	19	090S	190E	4304751281	18210	Federal	Federal	OW	P
FEDERAL 442-30-9-19	30	090S	190E	4304752870	19647	Federal	Federal	GW	P
FEDERAL 333-30-9-19	30	0908	190E	4304752872	19648	Federal	Federal	GW	P
FEDERAL 423-30-9-19	30	090S	190E	4304753011	19649	Federal	Federal	GW	P
Desert Springs State 412-36-9-18	36	090S	180E	4304753324	19783	State	State	GW	P
Desert Springs State 424-36-9-18	36	090S	180E	4304753325	19783	State	State	GW	P
Desert Springs State 133-36-9-18	36	090S	180E	4304753326	19747	State	State	GW	P
Desert Spring State 142-36-9-18	36	090S	180E	4304753327	19747	State	State	GW	P
DESERT SPRINGS ST 422-36-9-18	36	090S	180E	4304753328	19783	State	State	GW	P
WILKIN RIDGE ST 31-32-10-17	32	100S	170E	4301332677	15144	State	State	GW	S
SQUAW CROSSING U 5	2	100S	180E	4304730129	16266	State	State	OW	S
RBU 4-11D	11	100S	180E	4304730718	16269	Federal	Federal	OW	S
RBU 2-11D	11	100S	180E	4304730826	16270	Federal	Federal	OW	S
RBU 6-11D	11	100S	180E	4304731192	16271	Federal	Federal	OW	S
STATE 2-32B	32	0908	190E	4304732221	11371	State	State	GW	S
STATE 9-36A	36	090S	180E	4304732225	11364	State	State	GW	S
FEDERAL 13-30B	30	090S	190E	4304733581	13249	Federal	Federal	GW	S
STATE 13-36A	36	090S	180E	4304733598	17838	State	State	GW	S
FEDERAL 16-26A	26	090S	180E	4304733601	12928	Federal	Federal	GW	S
FEDERAL 31-29	29	090S	190E	4304733653	13077	Federal	Federal	GW	S
RBU 1-10D	10	100S	180E	4304734312	16265	Federal	Federal	OW	S
FEDERAL 13-18-9-19	18	090S	190E	4304739776	17149	Federal	Federal	GW	S